

**EDS**  
CHEMICALS

# Material Safety Data Sheets (MSDS)







## GP<sup>BIO</sup> Aerosol Furniture Polish MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### SECTION 1: IDENTIFICATION OF MATERIAL

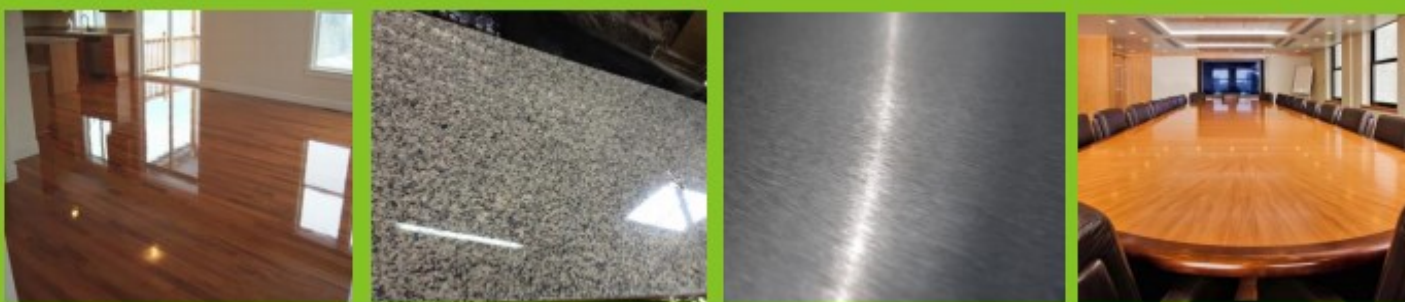
<b>PRODUCT</b>	GP <sup>BIO</sup> Aerosol Furniture Polish
<b>PRODUCT PACKAGING</b>	400 ml cans

### SECTION 2: HAZARD IDENTIFICATION

<b>MAIN HAZARD</b>	<b>CONTENTS UNDER PRESSURE.</b> Do not puncture or incinerate. Keep away from heat, sparks and flame. Do not store at temperatures above 50°C as container may burst.
<b>EYES</b>	No adverse effects expected when used as directed.
<b>SKIN</b>	No adverse effects expected when used as directed.
<b>INGESTION</b>	No adverse effects expected when used as directed.
<b>INHALATION</b>	No adverse effects expected when used as directed.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CHEMICAL NAME	CAS NO.	WEIGHT %
	Water	7732-18-5	60 - 100
	Petroleum, Light Alkylate	64741-66-8	5 - 10
	Dimethicone	63148-62-9	5 - 10
	Butane	106-97-8	1 - 5
	Isobutane	75-28-5	1 - 5
	Propane	74-98-6	1 - 5



## GP<sup>BIO</sup> Aerosol Furniture Polish MSDS



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### SECTION 4: FIRST AID MEASURES

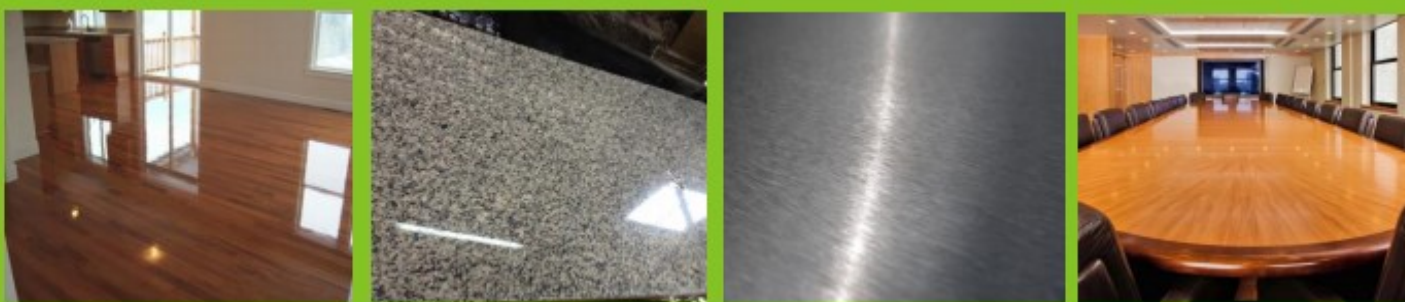
<b>SKIN</b>	Remove contaminated clothing and footwear. Wash material off the skin with plenty of soap and water.
<b>EYES</b>	Immediately flush with plenty of water for at least 15 minutes, keep eyelids open.
<b>INGESTION</b>	<b>DO NOT</b> induce vomiting unless instructed to do so by a medical personnel. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. If symptoms persist seek medical attention.
<b>INHALATION</b>	If inhaled, remove to fresh air. If breathing is laboured, seek medical attention.

### SECTION 5: FIRE FIGHTING MEASURES

<b>EXTINGUISHING MEDIA</b>	Alcohol foam, carbon dioxide, dry chemical, water fog.
<b>SPECIAL HAZARDS</b>	Aerosol product – containers may rocket or explode in the heat of a fire.
<b>PROTECTIVE CLOTHING</b>	Wear full protective clothing and positive pressure self-contained breathing apparatus.
<b>FURTHER INFORMATION</b>	Cool and use caution when approaching or handling fire exposed containers. Fight fire from maximum distance or protected area.
<b>FLASH POINT</b>	< -7 °C – Method: Tag Closed Cup (TCC) < 20 °F – Method: Tag Closed Cup (TCC)
<b>LOWER EXPLOSION LIMIT</b>	No data available.
<b>UPPER EXPLOSION LIMIT</b>	No data available.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS</b>	Remove all sources of ignition.
<b>SPILLAGES</b>	Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water.



## GP<sup>BIO</sup> Aerosol Furniture Polish MSDS



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### SECTION 7: HANDLING AND STORAGE

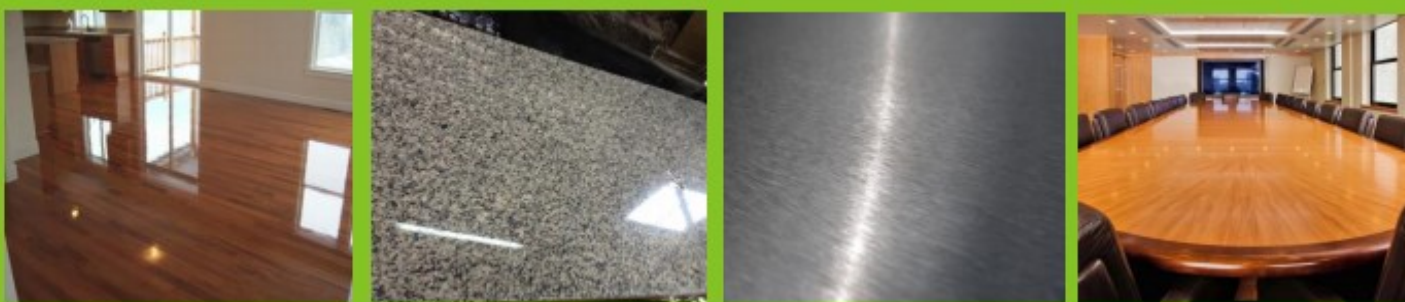
<b>SAFE HANDLING</b>	Use only as directed. KEEP OUT OF REACH OF CHILDREN & PETS. Do not puncture or incinerate. Do not spray or use on floors as it could leave them slippery. Keep away from heat and sources of ignition.
<b>SAFE STORAGE</b>	Store labelled containers in a cool, dry well ventilated area. Do not freeze. Do not store at temperatures above 50 °C as container may burst.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS	Component	CAS-No.	mg/m3	ppm	Basis
	Butane	106-97-8	-	1,000ppm	ACGIH TWA
	Isobutane	75-28-5	-	1,000ppm	ACGIH TWA
	Propane	74-98-6	-	1,000ppm	ACGIH TWA
	Propane	74-98-6	1,800	1,000ppm	OSHA TWA
<b>RESPIRATORY PROTECTION</b>	No personal respiratory protective equipment normally required.				
<b>HAND PROTECTION</b>	Not required under normal use.				
<b>EYE PROTECTION</b>	No special requirements.				
<b>OTHER PROTECTION</b>	Use only with adequate ventilation. Wash thoroughly after handling.				

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Aerosol
<b>COLOUR</b>	White / Opaque
<b>ODOUR</b>	Lavender / Floral (batch dependant)
<b>pH</b>	No data available
<b>BOILING POINT</b>	No data available
<b>MELTING POINT</b>	No data available
<b>FREEZING POINT</b>	No data available
<b>FLASH POINT</b>	Closed Cup: < 7°C
<b>EVAPORATION RATE</b>	No data available
<b>AUTO IGNITION</b>	No data available
<b>EXPLOSIVE PROPERTIES</b>	No data available
<b>VAPOUR PRESSURE</b>	No data available
<b>SOLUBILITY IN WATER</b>	Dispersible
<b>SPECIFIC GRAVITY</b>	0.91 – 0.92



## GP<sup>BIO</sup> Aerosol Furniture Polish MSDS



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### SECTION 10: STABILITY AND REACTIVITY

<b>CONDITIONS TO AVOID</b>	Heat, flames and sparks.
<b>MATERIALS TO AVOID</b>	None
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	When exposed to fire, produces normal products of combustion
<b>HAZARDOUS REACTIONS</b>	Stable

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>ACUTE TOXICITY</b>	Acute Oral Toxicity (LD50): 20,000 mg/kg Acute Inhalation Toxicity (LC50): 208 mg/l Acute Dermal Toxicity: No data available
<b>CARINOGENICITY</b>	No data available
<b>MUTAGENICITY</b>	No data available
<b>REPRODUCTIVE HAZARDS</b>	No data available
<b>TERATOGENICITY</b>	No data available
<b>SENSITISATION</b>	No data available

### SECTION 12: ECOLOGICAL INFORMATION

<b>ECOTOXICITY EFFECTS</b>	No data available
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### SECTION 13: DISPOSAL CONSIDERATION

<b>DISPOSAL METHODS</b>	<b>INDUSTRIAL:</b> Observe all applicable regulations and local ordinances regarding disposal. <b>HOUSEHOLD:</b> Consumer may discard empty container in trash or recycle where facilities exist.
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### SECTION 14: TRANSPORT INFORMATION

Not classified as a Dangerous Goods for the Transport of Dangerous Goods by Road and Rail.



## GP<sup>BIO</sup> Aerosol Furniture Polish MSDS



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### SECTION 15: REGULATORY INFORMATION

<b>EEC HAZARD CLASSIFICATION</b>	Flammable
<b>RISK PHRASES</b>	R11 Highly flammable
<b>SAFETY PHRASES</b>	S2 Keep out of the reach of children S26 In case of contact with eyes, rinse immediately with plenty of water. S39 Wear eye/face protection S56 If swallowed, seek medical attention immediately

### SECTION 16: OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.





## GP<sup>BIO</sup> Antibacterial Liquid Hand Soap MSDS



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### 1) COMPOSITION / INGREDIENT INFORMATION

HAZARDOUS COMPONENTS:	NONE
EEC CLASSIFICATION:	N/A
R PHRASES:	IRRITATING TO EYES

### 2) HAZARDOUS INFORMATION

MAIN HAZARD:	IRRITANCY TO EYES
RISK PHRASES:	R36 IRRITATING TO EYES
SAFETY PHRASES:	S25 AVOID CONTACT WITH EYES
FLAMMABILITY:	NO
CHEMICAL HAZARD:	NIL
BIOLOGICAL HAZARD:	NIL
REPRODUCTIVE HAZARD:	NIL
HEALTH EFFECTS (EYES):	WILL GIVE DISCOMFORT
HEALTH EFFECTS (SKIN):	NONE
HEALTH EFFECTS (INGESTION):	NIL
HEALTH EFFECTS (INHALATION):	N/A
CARCINOGENICITY:	NIL
MUTAGENICITY:	NIL
NEUROTOXICITY:	NIL

### 3) FIRST AID MEASURES

PRODUCT IN THE EYE:	WASH THOROUGHLY WITH WATER FOR 15 MINUTES.
PRODUCT ON SKIN:	N/A
PRODUCT INGESTED:	GIVE WATER TO DRINK
PRODUCT INHALED:	N /A

### 4) FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	N/A
PROTECTIVE CLOTHING:	N/A
SPECIAL HAZARD:	N/A



## GP<sup>BIO</sup> Antibacterial Liquid Hand Soap MSDS



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### 5) ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION:	N/A
ENVIRONMENTAL PRECAUTIONS:	N/A
SMALL AND LARGE SPILLS:	COLLECT OR ABSORB UP FOR DISPOSAL

### 6) HANDLING & STORAGE

SUITABLE MATERIALS:	PLASTIC CONTAINERS
HANDLING/STORAGE PRECAUTIONS:	NO SPECIAL MEASURES

### 7) EXPOSURE CONTROLS

OCCUPATION EXPOSURE LIMITS:	NONE
ENGINEERING CONTROL MEASURES:	NONE
PERSONAL PROTECTION – HAND:	N/A
PERSONAL PROTECTION – EYE:	AVOID CONTACT
PERSONAL PROTECTION – SKIN:	N/A
OTHER PROTECTION:	N/A

### 8) PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	PEARL TURQUOISE/BLUE
ODOUR:	FLORAL FRESH
BOILING POINT:	>100 Deg C
MELTING POINT:	N /A
PH (1%):	6 – 6.5
FLASH POINT:	N /A
FLAMMABILITY:	NO
AUTOFLAMMABILITY:	NO
EXPLOSIVE MEASURES:	NIL
OXIDIZING PROPERTIES:	NIL
VAPOUR PRESSURE:	N /A
DENSITY:	ca. 1.0 KG / L
SOLUBILITY – SOLVENT:	N/A
SOLUBILITY COEFFICIENT:	N/A
NEUROTOXICITY:	NIL





## GP<sup>BIO</sup> Antibacterial Liquid Hand Soap MSDS



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### 9) STABILITY AND REACTIVITY

CONDITION TO AVOID:	NONE
INCOMPATIBLE MATERIALS:	N /A
HAZARDOUS DECOMPOSITION PRODUCTS:	N /A

### 10) TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	N/A
SKIN & EYE CONTACT:	IRRITANT TO EYES
CHRONIC TOXICITY:	NIL
CARCINOGENICITY:	NIL
MUTAGENICITY:	NIL
REPRODUCTIVE HAZARDS:	NIL

### 11) ECOLOGICAL INFORMATION

AQUATIC TOXICITY – FISH:	NON-TOXIC
AQUATIC TOXICITY – DAPHNIA:	NON-TOXIC
AQUATIC TOXICITY – ALGAE:	NON-TOXIC
BIODEGRADABILITY:	YES
BIO ACCUMULATION:	NO
MOBILITY:	NOT KNOWN
GERMAN WGK:	NOT KNOWN

### 12) DISPOSAL CONSIDERATION

DISPOSAL METHODS:	NO SPECIAL CONCERNS
DISPOSAL OF PACKAGING:	AS ABOVE
SMALL SPILLS:	FLUSH TO DRAIN
LARGE SPILLS:	ABSORB WITH SAND FOR FURTHER DISPOSAL

### 13) TRANSPORT INFORMATION

NOT REGULATED

### 14) REGULATORY INFORMATION

LABEL FOR SUPPLY:	Xi - IRRITANT.
RISK PHRASES:	IRRITATING TO EYES
SAFETY PHRASES:	AVOID CONTACT WITH EYES



## GP<sup>BIO</sup> Aqua Solution MSDS



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### 1) IDENTIFICATION OF THE MATERIAL

<b>PRODUCT</b>	GP <sup>BIO</sup> Aqua Solution
<b>PRODUCT PACKAGING</b>	500g, 2Kg, 10Kg

### 2) HAZARDS IDENTIFICATION

<b>HAZARD CLASSIFICATION</b>	None known
<b>FLAMMABILITY</b>	None
<b>CHEMICAL HAZARD</b>	None
<b>BIOLOGICAL HAZARD</b>	No known effect
<b>REPRODUCTION HAZARD</b>	No known effect
<b>EYE EFFECTS</b>	No known effect
<b>HEALTH EFFECTS – SKIN</b>	May stain skin red, blue and yellow in colour due to food grade dyes. No known hazardous effect.
<b>HEALTH EFFECTS – INGESTION</b>	Not to be ingested. Effects unknown
<b>HEALTH EFFECTS – INHALATION</b>	No known effect
<b>CARCINOGENICITY</b>	No known effect
<b>MUTAGENECITY</b>	No known effect
<b>NEUROTOXICITY</b>	No known effect

### 3) COMPOSITION/INFORMATION ON INGREDIENTS

<b>HAZARD COMPONENTS</b>	None
<b>EEC CLASSIFICATION</b>	N/A
<b>R PHRASES</b>	N/A

### 4) FIRST AID MEASURES

<b>INGESTION</b>	Seek medical attention
<b>EYES</b>	If material enters the eyes, flush with plenty of water ensuring eye lids are held open for at least 5 minutes. If irritation persists seek medical attention.
<b>SKIN</b>	Wash with water
<b>INHALATION</b>	Remove to fresh air



## GP<sup>BIO</sup> Aqua Solution MSDS



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### 5) FIRE FIGHTING MEASURES

PROTECTIVE CLOTHING	None required.
EXTINGUISHING MEDIA	CO <sub>2</sub>
SPECIAL HAZARDS	None.

### 6) ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	None
ENVIRONMENTAL PRECAUTIONS	None
SMALL SPILLS/LARGE SPILLS	Collect product and dispose as normal solid waste

### 7) HANDLING AND STORAGE

SAFE HANDLING & STORAGE	Normal handling procedures. Store under cool dark ambient conditions. Keep container closed when not in use.
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### 8) EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS	No data available
ENGINEERING CONTROL MEASURES	None required
RESPIRATORY PROTECTION	None required
HAND PROTECTION	None required
EYE PROTECTION	None required
SKIN PROTECTION	None required
OTHER PROTECTION	Observe good general housekeeping practices. Read package insert before use.

### 9) PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	A mixture of red, blue and yellow dry granules
ODOUR	Natural
pH	8.51 ± 0.06 (1g.l <sup>-1</sup> in water)
BOILING POINT	N/A
MELTING POINT	N/A
FLASH POINT	N/A
FLAMMABILITY	N/A





## GP<sup>BIO</sup> Aqua Solution MSDS



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### 10) PHYSICAL AND CHEMICAL PROPERTIES

<b>AUTO FLAMMABILITY</b>	N/A
<b>EXPLOSIVE PROPERTIES</b>	None
<b>OXIDIZING PROPERTIES</b>	None
<b>VAPOUR PRESSURE</b>	N/A
<b>DENSITY</b>	0.900kg.l <sup>-1</sup> ± 0.006
<b>SOLUBILITY – WATER</b>	Dissipates in water
<b>SOLUBILITY – SOLVENT</b>	Dissipates in solvents
<b>SOLUBILITY – COEFFICIENT</b>	N/A

### 11) STABILITY AND REACTIVITY

<b>STABILITY</b>	Stable under normal conditions.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	None known.
<b>INCOMPATIBILITY</b>	None.

### 12) TOXICOLOGICAL INFORMATION

<b>ACUTE TOXICITY</b>	No known effect when used according to instructions
<b>CHRONIC TOXICITY</b>	No known effect when used according to instructions
<b>CARCINOGENICITY</b>	No known effect when used according to instructions
<b>MUTAGENICITY</b>	No known effect when used according to instructions
<b>REPRODUCTIVE HAZARD</b>	No known effect when used according to instructions

### 13) ECOLOGICAL INFORMATION

<b>AQUATICE TOXICITY – FISH</b>	No known effect when used according to instructions
<b>AQUATICE TOXICITY – DAPH-NIA</b>	No known effect when used according to instructions
<b>AQUATICE TOXICITY –ALGAE</b>	No known effect when used according to instructions
<b>BIODEGRADABILITY</b>	Biodegradable
<b>BIOACCUMULATION</b>	No data available
<b>MOBILITY</b>	N/A
<b>GERMAN WGK</b>	N/A

### 14) DISPOSAL CONSIDERATION

<b>DISPOSAL METHODS</b>	Dispose in accordance with local regulations.
<b>DISPOSAL PACKAGING</b>	Recycle plastic and paper based waste



## GP<sup>BIO</sup> Aqua Solution MSDS



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### 15) TRANSPORT INFORMATION

Not classified as a Dangerous Goods for the Transport of Dangerous Goods by Road, Rail and Air.

### 16) REGULATORY INFORMATION

<b>EEC HAZARD CLASSIFICATION</b>	N/A
<b>RISK PHRASES</b>	N/A
<b>SAFETY PHRASES</b>	N/A
<b>NATIONAL LEGISLATION</b>	OSH Act

### 17) OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.



## GP<sup>BIO</sup> Auto Dishwasher Detergent MSDS



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### 1. IDENTIFICATION OF THE MATERIAL

PRODUCT:	GP <sup>BIO</sup> Auto Dishwasher Detergent
APPLICATION:	Automatic dishwashing liquid.
PACKAGING:	5Kg, 25kg drums

### 2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION	Anionic builders and surfactants 25%-40% Alkali, Caustic/ Potash 25%-35%
HEALTH CLASS	Irritant.
RISK PHRASES	R22 Harmful if swallowed. R36/R37/R38 Irritating to eyes, skin and respiratory system.
SAFETY PHRASES	S46 If swallowed, seek medical advice immediately and show this container or label S24, S25 avoid contact with eyes and skin. S23 do not breathe vapours or mist.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

MAIN HAZARD	Toxic.
FLAMMABILITY	No.
CHEMICAL HAZARD	Nil.
BIOLOGICAL HAZARD	Nil.
REPRODUCTIVE HAZARD	Nil.
HEALTH EFFECTS:EYES	Irritant.
HEALTH EFFECTS: SKIN	Irritant.
HEALTH EFFECTS: INHALATION	Not applicable.
HEALTH EFFECTS: INGESTION	Toxic if swallowed.
CARCINOGENICITY	Nil.
MUTAGENICITY	Nil.
NEUROTOXICITY	Nil.

### 4. FIRST AID MEASURES

EYES	Wash promptly with water, lifting eyelids, until stinging has stopped.
INHALATION	Not applicable.
SKIN	Flush with large amounts of water.
INGESTION	Give person milk to drink. Seek medical attention.





## GP<sup>BIO</sup> Auto Dishwasher Detergent MSDS



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### 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Not applicable. Not flammable.
SPECIAL HAZARDS	None.
PROTECTIVE CLOTHING	None.

### 6. ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHOD	Avoid contact with skin and eyes.
ENVIRONMENTAL CONCERNS	None.
SPILLS & DISPOSAL	Small spills: Flush to drains.

### 7. HANDLING AND STORAGE

SUITABLE MATERIALS	Plastic drums.
SAFE HANDLING & STORAGE	Store in a cool place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS	Not applicable.
ENGINEERING CONTROLS	Not applicable.
PERSONAL PROTECTIVE EQUIPMENT	Gloves. Not applicable as not harmful but recommended. Goggles. Not applicable as not harmful but recommended. Respirators. Not applicable. Ventilation. Not applicable.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM	Liquid
APPEARANCE & COLOUR	Bright clear liquid – colour to specs.
ODOUR	No fragrance.
SOLUBILITY IN WATER	100% soluble.
SPECIFIC GRAVITY	Approx 1.15 – 1.20
pH VALUE	(10%) 10.0 – 11.5
BOILING POINT	> 100 Deg C
EXPLOSIVENESS	Nil.
OXIDIZING PROPERTIES	Nil.
NEUROTOXICITY	Nil.
FLAMMABILITY	Not applicable.

### 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	Not applicable.
MATERIALS TO AVOID	Oxidizing



## GP<sup>BIO</sup> Auto Dishwasher Detergent MSDS



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### 11. TOXICOLOGICAL INFORMATION

TOXICOLOGY INFORMATION

Toxic dose – Not applicable.

HEALTH WARNINGS

May be irritant to eyes and skin.

CARCINOGENICITY

Nil.

REPRODUCTIVE HAZARDS

Nil.

CHRONIC / ACUTE HEALTH HAZARD

Nil.

### 12. ECOLOGICAL INFORMATION

DEGRADABILITY

Yes.

ACUTE FISH, DAPHNIA, ALGAE TOXICITY

Non toxic.

BIO ACCUMULATION

No.

### 13. DISPOSAL CONSIDERATION

DISPOSAL OF PACKAGING

No special precautions.

DISPOSAL METHODS

No special precautions.

### 14. TRANSPORT INFORMATION

SHIPPING NAME

Load as part of a 'multi-load'

EMERGENCY RESPONSE GROUP

111

### 15. REGULATORY INFORMATION

LABEL FOR SUPPLY

Toxic / Irritant.

R-PHRASE

R22 Harmful if swallowed.

R36/R37/R38 Irritating to eyes, skin and respiratory system.

S-PHRASE

S46 if swallowed, seek medical advice immediately and show this container of this label.

S24,S25 Avoid contact with eyes and skin.

S23 Do not breathe vapours of mist.

### 16. OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.



## GP<sup>BIO</sup> Auto Dishwasher Rinse Aid MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 1. IDENTIFICATION OF THE MATERIAL

PRODUCT	Automatic Rinse Aid.
PRODUCT APPLICATION	Automatic dish rinser.
PRODUCT PACKAGING	5Kg, 25kg drums.

### 2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION	ISO-PROPANOL, CITRIC ACID
RISK PHRASES	Irritating to eyes.
ECC CLASSIFICATION	Not applicable.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

MAIN HAZARD	Irritant.
FLAMMABILITY	Non Flammable.
CHEMICAL HAZARD	Nil.
BIOLOGICAL HAZARD	Nil.
REPRODUCTIVE HAZARD	Nil.
HEALTH EFFECTS: EYES	Irritant flush with water.
HEALTH EFFECTS: SKIN	Nil.
HEALTH EFFECTS: INHALATION	No risk.
HEALTH EFFECTS: INGESTION	Possible nausea, give milk, can be fatal if swallowed in large amounts.
CARCINOGENICITY	Nil.
MUTAGENICITY	Nil.
NEUROTOXICITY	Nil.

### 4. FIRST AID MEASURES

EYES	Wash thoroughly, rinse with water.
INHALATION	Remove person to open air.
SKIN	Wash thoroughly with water.
INGESTION	Drink milk.

### 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Carbon Dioxide / Dry regular foam.
SPECIAL HAZARDS	None.
PROTECTIVE CLOTHING	Positive-pressure, self contained breathing apparatus.





## GP<sup>BIO</sup> Auto Dishwasher Rinse Aid MSDS



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### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION

Protect eyes.

ENVIRONMENTAL CONCERNS

None.

SPILLS & DISPOSAL

Small spills: Flush to drains.

Large spills: Contains spill with absorbent

### 7. HANDLING AND STORAGE

SUITABLE MATERIALS HD

Polyethylene containers.

SAFE HANDLING & STORAGE

Avoid contact with spills.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

>200 000ppm.

ENGINEERING CONTROLS

Ventilate.

PERSONAL PROTECTIVE EQUIPMENT

Gloves. Not applicable as not harmful but recommended.

Goggles. Not applicable as not harmful but recommended.

Respirators. Not applicable.

Ventilation. Not applicable.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM

Liquid

APPEARANCE & COLOUR

Clear liquid.

ODOUR

Typical alcohol smell.

SOLUBILITY SOLVENT

100% soluble.

SOLUBILITY COEFFICIENT:

Not applicable.

SPECIFIC GRAVITY

Approx 1.15 – 1.20.

pH VALUE (10%)

7 – 8.

BOILING POINT

> 100 Deg C.

MELTING POINT

-5 Deg C.

FLASH POINT

49 – 80 Deg C.

EXPLOSIVENESS

Nil.

OXIDIZING PROPERTIES

Nil.

NEUROTOXICITY

Nil.

DENSITY

ca. 1.01 +/- 0.01 kg/l.

FLAMMABILITY

Not applicable.

### 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID

Heat.

MATERIALS TO AVOID

Nil.



## GP<sup>BIO</sup> Auto Dishwasher Rinse Aid MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICOLOGY	>10 000 mg/kg .
SKIN AND EYE CONTACT	May be an irritant.
CARCINOGENICITY	Nil.
REPRODUCTIVE HAZARDS	Nil.
CHRONIC / ACUTE HEALTH HAZZARD	Nil.

### 12. ECOLOGICAL INFORMATION

BIODEGRADABILITY	Yes.
AQUATIC TOXICITY	Fish: Not known. Daphnia: Not known. Algae: Nil.
BIO ACCUMULATION	No.

### 13. DISPOSAL CONSIDERATION

DISPOSAL OF PACKAGING	As above.
DISPOSAL METHODS	Refer to local authorities.

### 14. TRANSPORT INFORMATION

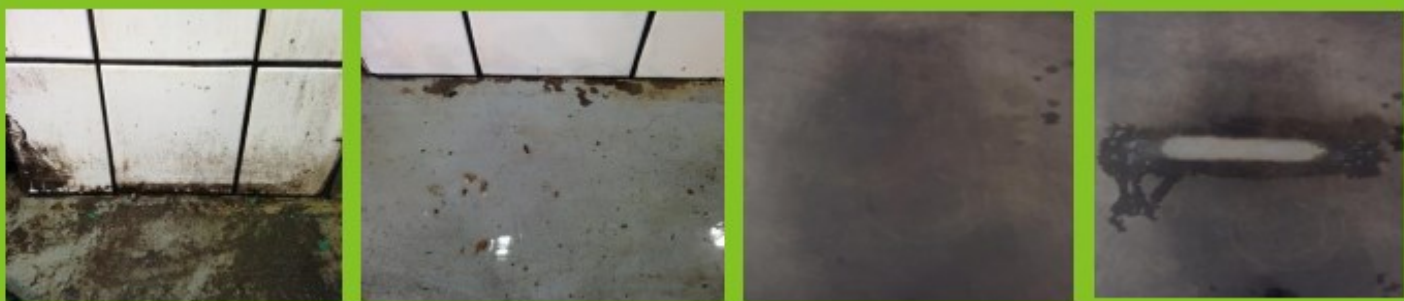
SHIPPING NAME	Load as part of a 'multi-load'
EMERGENCY RESPONSE GROUP	111

### 15. REGULATORY INFORMATION EEC HAZARD

CLASSIFICATION:	Irritant / toxic
R-PHRASE	Irritating to eyes and skin. Toxic if inhaled or swallowed.
S-PHRASE	Use in well-ventilated areas. Prevent eye contact and ingestion.

### 16. OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.



## GP<sup>BIO</sup> Eco-Solve MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 1. Composition/information on components

Chemical characterization

Description:

Proprietary Surfactant Blend

Dangerous components:

Methyl Alcohol CAS No. 67-56-1 ( $\leq 20\%$ ), Natural d-Limonene, citrus terpenes

### 2. Hazards Identification

Hazard designation:

Not Hazardous

Information pertaining to particular dangers for man and the environment:

R-Phrases:

R20/21/22/23/24/25

R36/37/38/41/43

R44 S28 (water)

S-Phrases:

S15/16/17

S24/25/26/27

S28 (water)

S29

S36/39

S45/46

S62/63/64

### 3. First Aid measures

General information:

Irritant Vapour

After inhalation:

Supply fresh air; consult doctor in case of symptoms.

After skin contact:

Immediately wash with soap and water and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water.

After swallowing:

In case of persistent symptoms consult doctor.

### 4. Fire Fighting measures

Conventional Fire fighting measures are appropriate

### 5. Accidental release measures

Personal safety precautions:

Wear respiration equipment and protective clothing.

Measures for environmental protection:

Should not be discharged into water courses without prior consultation and authorisation.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, sawdust, cotton waste, etc.); incinerate. Smaller amounts of contaminated binding material can be disposed of with municipal waste.





## GP<sup>BIO</sup> Eco-Solve MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 6. Handling & Storage

- Handling
  - Information for safe handling: Wear respiration equipment (Inorganic cartridge) & Eye protection
  - Information about protection against explosion & fire: No special measures required.
- Storage
  - Requirements to be met by storerooms and containers: No special requirements.
  - Information about storage in a common storage facility: None
  - Further information about storage conditions: Protect from frost and direct sunlight.

### 7. Exposure Controls & Personal Protection

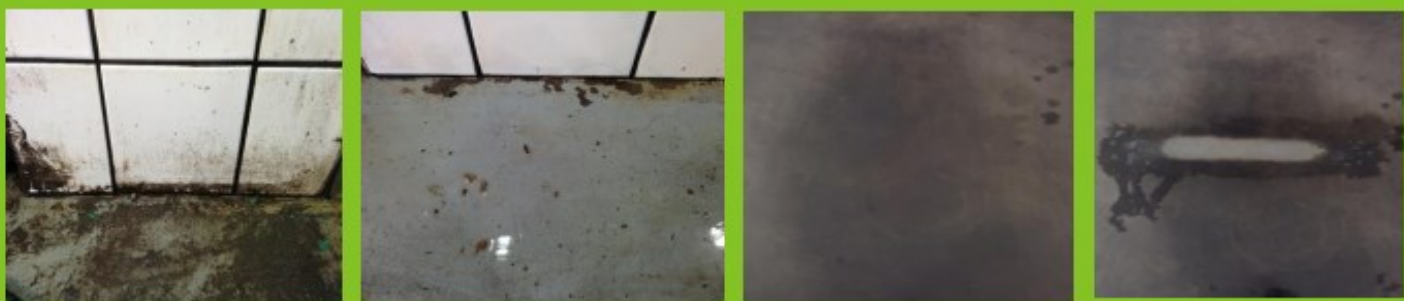
- Additional information about design of technical systems: No further data; see item 7.
- Components with critical values that require monitoring at the workplace: N/A
- Additional information: Information valid at the time of review of MSDS.

### 8. Personal Protective Equipment

- General protective and hygienic measures
- The usual precautionary measures should be adhered to in handling the chemicals.
  - Respiratory protection: Respirator with Inorganic cartridge
  - Protection of hands: Protective gloves.
  - Eye protection: Safety glasses recommended during handling.
  - Body protection: Protective work clothing.

### 9. Physical & Chemical properties

Physical state:	Liquid
Appearance:	Orange Amber to Brown, transparent
Melting point:	N/A
Boiling point:	ca. 80°C
Flash Point:	Not Flammable in form as supplied
Explosive Properties:	Only if heated in confinement
Vapor pressure:	Not determined
Relative density:	0.86 - 0.88 g/cm <sup>3</sup>
Solubility:	Fully soluble in water
pH value at 20°C:	9.2 - 9.8
Organic Solvent content:	10 - 20%
Solids Content:	80 - 90%



## GP<sup>BIO</sup> Eco-Solve MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 10. Stability & Reactivity

Stability:	The product is stable
Conditions to avoid:	Excessive heat (+40°C) and freezing. Repeated freezing and thawing
Minimum Shelf life:	12 months from date of manufacture
Dangerous reactions:	None known
Dangerous products of decomposition:	None if used as recommended

### 11. Toxicological Information

Acute toxicity:	LD/LC50 values that are relevant for classification: N/A
Primary irritant effect:	Skin contact: No immediate irritant effect. Eye contact: Very irritant effect. Sensitization: No sensitizing effect known.

### 12. Ecological Information

- Information about elimination (persistence and degradability): Method: OECD 301
- Analysing method: BOC-Elimination Degree of elimination: > 70 % Other information:
- The product is eliminated in waste water treatment plants by physical and biological means.

#### Eco-toxicological effects:

- If contaminated effluent water is properly entered into the sewerage system. Any interference with the degrading activity of the activated sludge organisms must not be expected.

#### Additional ecological information:

##### AOX indication:

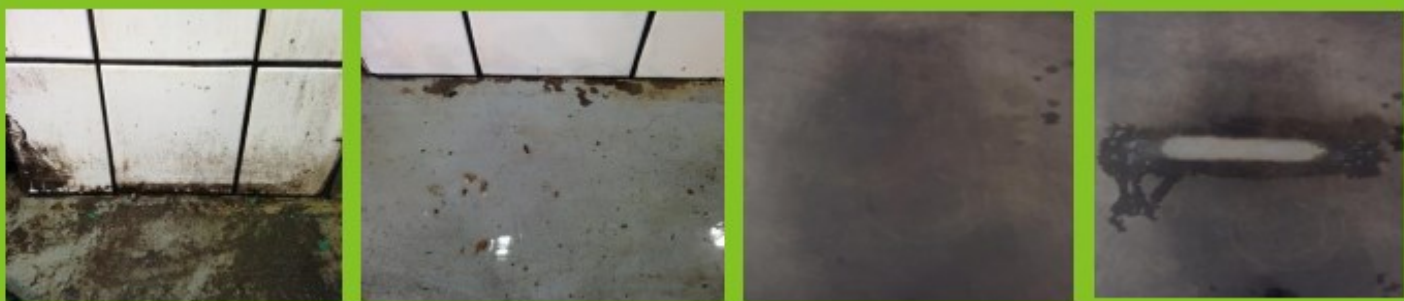
- The product does not contain substance which can influence the AOX value of effluent water.
- Heavy metals and compounds (according EC guideline NO. 76/464 EC): None

### 13. Disposal Considerations

- Always consult local legislative bylaws. If in doubt hand over to a specifically authorized hazardous waste treatment plant.

#### Contaminated packaging:

- Recommendation: Packaging can be reused or recycled after cleaning.
- Recommended cleaning agent: Water, if necessary with cleaning agent.



## GP<sup>BIO</sup> Eco-Solve MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 14. Transport Information

- Land transport ADR/RID and GGVS/GGVE (cross-border/domestic) ADRIR Class: -
- Maritime transport IMDG/GGVS: IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR: ICAO/IATA Class: -
- Transport/Additional information: Not hazardous for transport according to A.M. regulations.

### 15. Regulatory Information

Designation according to EC guidelines:

- The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (CHIP).
- Observe the normal safety regulations when handling chemicals.

#### National regulations

- Classification according to VbF: None
- Water hazard class: Water hazard class 2 (Self-assess.): hazardous for water in Concentration.

### 16. Other Information

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.





## GP<sup>BIO</sup> Fab-Soft MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 1. IDENTIFICATION OF THE MATERIAL

PRODUCT GP<sup>BIO</sup> Fab-Soft  
APPLICATION Fabric Softener  
PACKAGING 5Kg, 25kg drums

### 2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION Non Hazardous  
RISK PHRASES Not applicable  
SAFETY PHRASES Not applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS NO	PROPORTION
Not applicable	Not applicable	Not applicable

### 4. FIRST AID MEASURES

INHALATION Not applicable.  
SKIN Not applicable.  
EYE Rinse with water for 15 minutes. Will cause some discomfort.  
INGESTION Give water to drink.  
FIRST AID FACILITIES Not applicable  
ADVICE TO DOCTOR Not applicable

### 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA Not applicable  
SPECIFIC METHOD Not applicable.  
SPECIFIC HAZARDS Not applicable.

### 6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES Not applicable.  
SPILLS & DISPOSAL Collect and absorb with sand for disposal.

### 7. HANDLING AND STORAGE

SAFE HANDLING & STORAGE No special measures.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS Not applicable.  
PERSONAL PROTECTIVE EQUIPMENT Avoid contact with the eyes



## GP<sup>BIO</sup> Fab-Soft MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM	Liquid.
APPEARANCE & COLOUR	Blue.
ODOUR	Lavender.
SOLUBILITY IN WATER	Not applicable.
DENSITY	1.0 KG /L
pH VALUE (1%)	Not applicable.
BOILING POINT	Not applicable.
FLASH POINT	None.
FLAMMABILITY	Non flammable.

### 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY	No applicable.
CONDITIONS TO AVOID	Not applicable.
MATERIALS TO AVOID	Not applicable.
HAZARDOUS DECOMPOSITION	Not applicable.
HAZARDOUS REACTIONS	Not applicable.

### 11. TOXICOLOGICAL INFORMATION

TOXICOLOGY INFORMATION	Not known to occur with this product.
INHALATION	Not applicable.
INGESTION	Not applicable.
SKIN	Not applicable.
EYE	Irritant to eyes.
CHRONIC EFFECTS	Not applicable.

### 12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY	Fish: Non Toxic. Daphnia: Non Toxic. Algae: Non Toxic.
PERSISTENCE / DEGRADABILITY	Yes.
MOBILITY	Not known.
ENVIRONMENT PROTECTION	Not applicable.

### 13. DISPOSAL CONSIDERATION

DISPOSAL METHODS:	Small Spills – Flush to drains. Large Spills – Absorb with sand for further disposal.
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## GP<sup>BIO</sup> Fab-Soft MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 14. TRANSPORT INFORMATION

SHIPPING NAME	Transport as Multi-load.
HAZARD CLASS	111.
PACKING GROUP	Not applicable.

### 15. REGULATORY INFORMATION

R-PHRASE	Irritating to eyes.
S-PHRASE	Recommend Goggles.

### 16. OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.



## GP<sup>BIO</sup> Fab-Wash MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 1. IDENTIFICATION OF THE MATERIAL

PRODUCT	GP <sup>BIO</sup> Fab-Wash
APPLICATION	Laundry detergent
PACKAGING	5Kg, 25kg drums

### 2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION	Non Hazardous
RISK PHRASES	Not applicable
SAFETY PHRASES	Not applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	Fatty Alcohol Ethoxylates Contains Anionic, Non-Anionic and Cationic Surfactants
-----------------------	---

### 4. FIRST AID MEASURES

INHALATION	Move patient to open air and supply oxygen or artificial respiration.
SKIN	Wash thoroughly with water.
EYE	Rinse with water for 15 minutes. Will cause some discomfort.
INGESTION	Drink plenty of water. Seek medical attention.
FIRST AID FACILITIES	Not applicable
ADVICE TO DOCTOR	Not applicable

### 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	CARBON DIOXIDE / DRY REGULAR FOAM. Protective Clothing: Positive – Pressure self contained breathing apparatus.
SPECIFIC METHOD	Not applicable.
SPECIFIC HAZARDS	Not applicable.

### 6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES	Minimise skin contact. Personnel must wear full protection gear to protect themselves from unnecessary contact with the product.
ENVIRONMENTAL PRECAUTION	This product does not contain Alkyl Phenol Ethoxylates, so there are no adverse effects of an endocrine disruptive nature that can be linked to this product.
SPILLS & DISPOSAL	Small Spill: Absorb with sand. Large Spill: Contain with absorbent.





## GP<sup>BIO</sup> Fab-Wash MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 7. HANDLING AND STORAGE

SAFE HANDLING & STORAGE

HD Polyethylene containers. Avoid Heat.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

Ventilate or use self contained breathing apparatus where ventilation is insufficient. Eye wash fountains and emergency showers should be available.

PERSONAL PROTECTIVE EQUIPMENT

Personal protection hands: Wear PVC Gloves.  
Personal Protection eye: Wear Goggles, face shield.  
Personal Protection skin: Wear an Apron.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM

Liquid.

APPEARANCE & COLOUR

Blue/Amber.

ODOUR

Omo-Fresh or Ocean Fresh.

Characteristics: (ETHER/ALCOHOL/ETHOXYLATE)

SOLUBILITY IN WATER

Fully Soluble.

SOLUBILITY IN SOLVENT

Not Soluble.

DENSITY

ca. 1.04 +/- 0.02 kg/l

BOILING POINT

>90 Deg C

FLASH POINT

>200 DEG C

FLAMMABILITY

Combustible at high temperatures.

### 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY

Stable under ambient conditions.

CONDITIONS TO AVOID

Do not store indirect sunlight or a hot place.

MATERIALS TO AVOID

Possible some grades of P.E.T.

HAZARDOUS DECOMPOSITION

Carbon dioxide will be given off if the product is exposed to flames at high temperatures. Product will not burn by itself.

### 11. TOXICOLOGICAL INFORMATION

TOXICOLOGY INFORMATION

INHALATION

Acute oral LD50 – RAT: No data

Move patient to open air and supply oxygen or artificial respiration.

INGESTION

See medical attention.

SKIN

Irritant to skin.

EYE

Irritant to eyes.

CHRONIC EFFECTS

Slight risk of organ damage if taken orally in large amounts. As with all products of this class.



## GP<sup>BIO</sup> Fab-Wash MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 12. ECOLOGICAL INFORMATION

#### AQUATIC TOXICITY

Fish: Non Toxic.

Daphnia: Non Toxic.

Algae: Non Toxic.

NOTE: THE AQUATIC TOXICITIES ABOVE (NON TOXIC\*) REFER TO FINAL EFFLUENT WATER WHERE THE PRODUCT HAS ALREADY BEEN ESSENTIALLY REMOVED FROM RUN-OFF WATER THROUGH AN OIL SEPARATOR AND IS DILUTED TO A LEVEL WHERE THE CONCENTRATION IN THE FACTORY FINAL EFFLUENT IS LESS THAN 1000 TIMES THE SUPPLIED PRODUCT CONCENTRATION.

#### PERSISTENCE / DEGRADABILITY

Yes.

#### BIO ACCUMULATION

No, only environmentally acceptable raw materials are used in production.

#### ENVIRONMENT PROTECTION

Not applicable.

### 13. DISPOSAL CONSIDERATION

#### DISPOSAL METHODS:

Refer to local authorities.

### 14. TRANSPORT INFORMATION

#### SHIPPING NAME

Transport as Multi-load.

#### HAZARD CLASS

111.

#### PACKING GROUP

Not applicable.

### 15. REGULATORY INFORMATION

#### H-PHRASE H303:

May be harmful if swallowed.

#### H318:

Causes serious eye damage.

#### H373:

May cause damage to organs through prolonged or repeated exposure.

#### P-PHRASE P102:

Keep out of reach of children.

#### P261:

Avoid breathing mist.

#### P262:

Do not get in eyes, on skin.

#### P281:

Use personal protective equipment as required.

#### P302+352:

If on skin: wash with soap and water.

#### P305+351+338:

If in eyes: rinse continuously with water for several minutes. Remove contact lenses if easy to do – continue rinsing

**TAKE THIS MSDS TO THE DOCTOR WHEN SEEKING MEDICAL ATTENTION!**



## GP<sup>BIO</sup> Floor Stripper MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 1) IDENTIFICATION OF PRODUCT AND COMPANY

PRODUCT NAME: GP<sup>BIO</sup> Floor Stripper

### 2) COMPOSITION / INGREDIENT INFORMATION

HAZARDOUS INFORMATION: BUTYL OXYTOL, ALKALINE  
EEC CLASSIFICATION: N/A  
R PHRASES: R20/21/22, R36/37/38, R23/24/25.

### 3) HAZARDOUS INFORMATION

MAIN HAZARD: EYE AND SKIN IRRITANT. TOXIC BY INHALATION  
FLAMMABILITY: NON-FLAMMABLE UNDER NORMAL CONDITIONS  
CHEMICAL HAZARD: SHOULD NOT BE MIXED WITH OTHER CHEMICALS  
BIOLOGICAL HAZARD: NONE  
REPRODUCTIVE HAZARD: NONE  
HEALTH EFFECTS (EYES): SERIOUS IRRITANT, FLUSH WITH WATER  
HEALTH EFFECTS (SKIN): WILL BURN SKIN  
HEALTH EFFECTS (INGESTION): WILL BURN THROAT  
HEALTH EFFECTS (INHALATION): WILL BURN LUNGS  
CARCINOGENICITY: NIL  
MUTAGENICITY: NIL  
NEUROTOXICITY: NIL

### 4) FIRST AID MEASURES

PRODUCT IN THE EYE: WASH THOROUGHLY, RINSE WITH MILK  
PRODUCT ON SKIN: WASH THOROUGHLY WITH WATER  
PRODUCT INGESTED: DRINK MILK  
PRODUCT INHALED: REMOVE PATIENT TO OPEN AIR

### 5) FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: CARBON DIOXIDE / DRY REGULAR FOAM  
PROTECTIVE CLOTHING: POSITIVE - PRESSURE SELF CONTAINED BREATHING APPARATUS

### 6) ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION: MINIMIZE SKIN CONTACT  
ENVIRONMENTAL PRECAUTIONS: NOT KNOWN  
SMALL SPILLS: ABSORB WITH SAND OR OTHER SUITABLE MATERIALS  
LARGE SPILLS: TRY TO CONTAIN WITH ABSORBANT



## GP<sup>BIO</sup> Floor Stripper MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 7) HANDLING & STORAGE

SUITABLE MATERIALS:

HD POLYETHYLENE CONTAINERS

HANDLING/STORAGE PRECAUTIONS:

AVOID HEAT

### 8) EXPOSURE CONTROLS

OCCUPATION EXPOSURE LIMITS:

500 g/cu.m

ENGINEERING CONTROL MEASURES:

VENTILATE

PERSONAL PROTECTION - HAND:

WEAR PVC GLOVES

PERSONAL PROTECTION - EYE:

WEAR GOGGLES

PERSONAL PROTECTION - SKIN:

WEAR A PROTECTIVE APRON

### 9) PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

CLEAR

ODOUR:

TYPICAL SOLVENT SMELL

BOILING POINT:

100 °C

MELTING POINT:

-5°C

PH (1%):

N/A

FLASH POINT :

80°C

FLAMMABILITY:

NON-FLAMMABLE

AUTO-FLAMMABILITY:

NIL

EXPLOSIVE MEASURES:

NIL

OXIDIZING MEASURES:

NIL

VAPOUR PRESSURE:

LOW

DENSITY:

1.05kg/l

SOLUBILITY - SOLVENT:

PARTIALLY SOLUABLE

SOLUBILITY COEFFICIENT:

NOT KNOW

NEUROTOXICITY:

NIL

### 10) STABILITY AND REACTIVITY

CONDITION TO AVOID:

HIGH TEMPERATURES

INCOMPATIBLE MATERIALS:

POSSIBLY SOME PLASTIC AND RUBBERS

HAZARDOUS DECOMPOSITION PRODUCTS: CO<sub>2</sub>





## GP<sup>BIO</sup> Floor Stripper MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 11) TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	LD50 (ORAL) 470mg/kg (INFERED FROM COMMON DATA)
SKIN & EYE CONTACT:	IRRITANT
CHRONIC TOXICITY:	RISK OF ORGAN DAMAGE IF TAKEN ORRALLY
CARCINOGENICITY:	NIL
MUTAGENICITY:	NIL
REPRODUCTIVE HAZARDS:	NIL

### 12) ECOLOGICAL INFORMATION

AQUATIC TOXICITY – FISH:	SLIGHTLY TOXIC
AQUATIC TOXICITY – DAPHNIA:	SLIGHTLY TOXIC
AQUATIC TOXICITY – ALGAE:	SLIGHTLY TOXIC
BIODEGRADABILITY:	YES
BIO-ACCUMULATION:	NOT KNOWN
MOBILITY:	N/A
GERMAN WGK:	N/A

### 13) DISPOSAL CONSIDERATION

DISPOSAL METHODS:	REFER TO LOCAL AUTHORITY
DISPOSAL OF PACKAGING:	AS ABOVE

### 14) TRANSPORT INFORMATION

TRANSPORTED AS PART OF A 'MULTI-LOAD'  
EMERGENCY RESPONSE GROUP: 111

### 15) REGULATORY INFORMATION

EEC HAZARD CLASSIFICATION:	IRRITANT
RISK PHRASES:	TOXIC IF INHALED OVER AN EXTENDED PERIOD
SAFETY PHRASES:	AVOID CONTACT WITH SKIN AND EYES. DO NOT INGEST. AVOID BREATHING VAPOURS OVER A LONG PERIOD.

### 16. OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.



## GP<sup>BIO</sup> Kitchen Multi-Surface Cleaner MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 1. IDENTIFICATION OF THE MATERIAL

<b>PRODUCT</b>	GP <sup>BIO</sup> Kitchen Multi-Surface Cleaner
<b>PRODUCT APPLICATION</b>	Biological preparation with surfactants for degreasing
<b>PRODUCT PACKAGING</b>	Boxes of 24 x 100ml Super concentrate
<b>APPLICATION FEED RATE</b>	Dosages to be determined by formulator.

### 2. HAZARDS IDENTIFICATION

<b>HAZARD CATEGORY</b>	None allocated
<b>HAZARD CLASSIFICATION</b>	Non Hazardous, Non dangerous
<b>RISK PHRASES</b>	None allocated
<b>SAFETY PHRASES</b>	None allocated
<b>POISON SCHEDULE</b>	None allocated
<b>WARNING STATEMENT</b>	None indicated

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

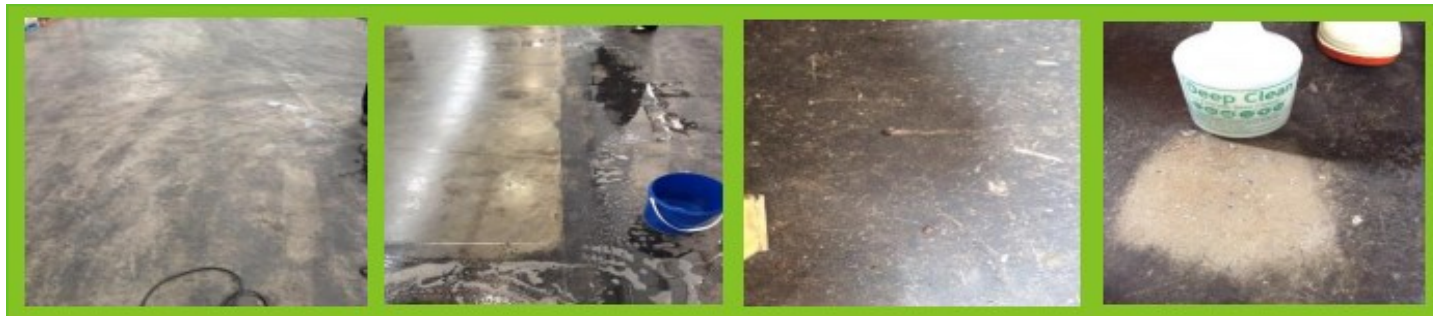
<b>HAZARDOUS COMPONENTS</b>	None
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### 4. FIRST AID MEASURES

<b>SWALLOWED</b>	If swallowed, DO NOT induce vomiting. Give 3 to 4 glasses of water to drink. If irritation persists transport to hospital or doctor.
<b>EYE</b>	If material enters the eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. If irritation persists, transport to hospital or doctor.
<b>SKIN</b>	If material is falls onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists transport to hospital or doctor.
<b>INHALED</b>	Move victim to fresh air.
<b>FIRST AID FACILITIES</b>	Eye wash fountain, safety shower and normal wash room facilities.

### 5. FIRE FIGHTING MEASURES

<b>FIRE/EXPLOSION HAZARD</b>	If safe to do so, move undamaged containers from fire area.
<b>FIRE FIGHTING PROCEDURES</b>	Fire fighters to wear Self-contained breathing apparatus in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.



## GP<sup>BIO</sup> Kitchen Multi-Surface Cleaner MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### EXTINGUISHING MEDIA

Use extinguishing media suitable for surrounding fire situation.

### HAZCHEM CODE

None allocated

### FLAMMABILITY

Material is non flammable or combustible liquid.

## 6. ACCIDENTAL RELEASE MEASURES

Material may be slippery when spilt. Walk cautiously. Ventilate area. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS. Bund area using sand or soil - to prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labeled containers for disposal.

## 7. HANDLING AND STORAGE

Product:	CAS Number	Ratio
Alkylpolyglycoside C8-10	68515-73-1	<10 - 30
Alkylpolyglycoside C10-16	110615-47-9	<10 - 30

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

No exposure standards are available for this product, however the following exposure standards have been assigned to the following components of the product:

### GLOVES

PVC or natural rubber. Impervious gloves

### EYES

Chemical goggles or face shield

### RESPIRATORY PROTECTION

Does not apply as not harmful

### VENTILATION

Not applicable

### EXPOSURE LIMITS

Not applicable as not harmful

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Opaque

### ODOUR

None

### PH

8.0 – 9.5

### TEMPERATURE RANGE

6°C - 43°C

### STABILITY

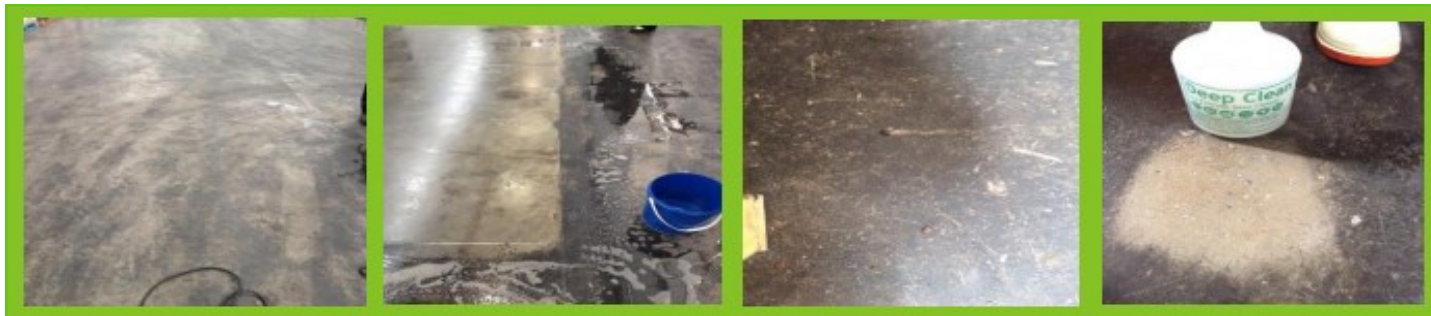
1 year+ stored at 5°C - 30°C

### FLASH POINT & FLAMMABILITY

Not applicable

### SOLUBILITY IN WATER

Miscible



## GP<sup>BIO</sup> Kitchen Multi-Surface Cleaner MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 10. STABILITY AND REACTIVITY

#### STABILITY

Stable under normal conditions of use.

#### HAZARDOUS DECOMPOSITION PRODUCTS

Decomposes on heating emitting soot, smoke and decomposition products.

#### HAZARDOUS POLYMERIZATION

Will not occur.

#### INCOMPATIBILITIES

Strong acids, alkalis, most metals and oxidizing agents.

#### CONDITIONS TO AVOID

Heat, flames, ignition sources and incompatibles.

### 11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this MSDS and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

#### ACUTE HEALTH EFFECTS

##### SWALLOWED

May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhea.

##### EYE

May cause irritation to the eyes, with effects including tearing, pain, stinging and blurred vision.

##### SKIN

May cause irritation to the skin.

##### INHALED

Mists from the product may cause irritation to the nose, throat and respiratory system with effects including dizziness and headaches.

#### CHRONIC

#### TOXICOLOGICAL DATA

Prolonged or repeated skin contact may lead to dermatitis.

No toxic effects are likely to occur.

### 12. ECOLOGICAL INFORMATION

#### ECOTOXITY

No data available.

#### MOBILITY

No data available.

#### PERSISTENCE/DEGRADABILITY

Biodegrades readily under aerobic and anaerobic conditions.

#### CHEMICAL FATE INFORMATION

No data available.

This substance may cause long term adverse effects in the aquatic environment. This substance may cause long term adverse effects in the environment. However, when used in accordance with the instructions, controlled release of this product is not expected to cause environmental contamination.





## GP<sup>BIO</sup> Kitchen Multi-Surface Cleaner MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 13. DISPOSAL CONSIDERATION

Contact the Land Waste Management Authority in your area.

### 14. TRANSPORT INFORMATION

Not classified as a Dangerous Goods for the Transport of Dangerous Goods by Road and Rail.

### 15. REGULATORY INFORMATION

#### SAFETY PHRASES:

**S23.2**

Do not breathe vapour

**S26**

In case of contact with eyes, rinse with water

**S45**

In case of accident, seek medical advice immediately

### 16. OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.



## GP<sup>BIO</sup> Liquid Floor Polish MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 1) IDENTIFICATION OF PRODUCT

PRODUCT NAME: GP<sup>BIO</sup> Liquid Floor Polish

### 2) COMPOSITION / INGREDIENT INFORMATION

HAZARDOUS INFORMATION: NOT CONSIDERED HAZARDOUS AT THE RELEVANT COMPONENT LEVELS

EEC CLASSIFICATION: NOT KNOWN

R PHRASES: IRRITANT TO EYES

### 3) HAZARDOUS INFORMATION

MAIN HAZARD : NOT GENERALLY CONSIDERED TO BE HAZARDOUS

FLAMMABILITY: NIL

CHEMICAL HAZARD: NIL

BIOLOGICAL HAZARD: NIL

REPRODUCTIVE HAZARD: NIL

EYE EFFECTS: AVOID EYE CONTACT—BURNING MY RESULT

HEALTH EFFECTS (SKIN): NIL

HEALTH EFFECTS (INGESTION): NAUSEA

HEALTH EFFECTS (INHALATION): NIL

CARCINOGENICITY: NIL

MUTAGENICITY: NIL

NEUROTOXICITY: NIL

### 4) FIRST AID MEASURES

PRODUCT IN THE EYE: WASH THOROUGHLY FOR 15 MINUTES

PRODUCT ON SKIN: WASH THOROUGHLY WITH SOAP & WATER

PRODUCT INGESTED: N/A

PRODUCT INHALED: N/A

### 5) FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: CARBON DIOXIDE / DRY REGULAR FOAM

PROTECTIVE CLOTHING: NO SPECIAL CLOTHING

### 6) ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION: MINIMIZE SKIN CONTACT

ENVIRONMENTAL PRECAUTIONS: NOT CONSIDERED HAZARDOUS

SMALL SPILLS: USE SAND TO ABSORB SPILLS

LARGE SPILLS: USE SAND TO ABSORB SPILLS



## GP<sup>BIO</sup> Liquid Floor Polish MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 7) HANDLING & STORAGE

SUITABLE MATERIALS:

POLYETHYLENE POLYCANS

HANDLING/STORAGE PRECAUTIONS:

KEEP CONTAINERS TIGHTLY CLOSED

### 8) EXPOSURE CONTROLS

OCCUPATION EXPOSURE LIMITS:

>10,000ppm

ENGINEERING CONTROL MEASURES:

VENTILATE

PERSONAL PROTECTION - HAND:

NONE NECESSARY

PERSONAL PROTECTION - EYE:

PREVENT EYE CONTACT

PERSONAL PROTECTION - SKIN:

N/A

### 9) PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

MILKY WHITE

ODOUR:

SIMILAR TO WOOD GLUE, VERY FAINT SMELL

BOILING POINT:

NOT KNOWN

MELTING POINT:

NOT KNOWN

PH (1%):

N/A

FLASH POINT :

N/A

FLAMMABILITY:

NOT CONSIDERED FLAMMABLE

AUTO-FLAMMABILITY:

NIL

EXPLOSIVE MEASURES:

NIL

OXIDIZING MEASURES:

NIL

VAPOUR PRESSURE:

VERY LOW

DENSITY:

1.00 +/- 0.02 KG/L

SOLUBILITY - SOLVENT:

N/A

SOLUBILITY COEFFICIENT:

N/A

NEUROTOXICITY:

NIL

### 10) STABILITY AND REACTIVITY

CONDITION TO AVOID:

HIGH TEMPERATURES

INCOMPATIBLE MATERIALS:

NONE

HAZARDOUS DECOMPOSITION PRODUCTS: ORGANIC ACIDS, CO<sub>2</sub>



## GP<sup>BIO</sup> Liquid Floor Polish MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 11) TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	NIL
SKIN & EYE CONTACT:	SLIGHT IRRITANT
CHRONIC TOXICITY:	NIL
CARCINOGENICITY:	NIL
MUTAGENICITY:	NIL
REPRODUCTIVE HAZARDS:	NIL

### 12) ECOLOGICAL INFORMATION

AQUATIC TOXICITY – FISH:	NIL
AQUATIC TOXICITY – DAPHNIA:	NIL
AQUATIC TOXICITY – ALGAE:	NIL
BIODEGRADABILITY (IN 28 DAYS):	>95% BIODEGRADABLE
BIO-ACCUMULATION:	NO

### 13) DISPOSAL CONSIDERATION

DISPOSAL METHODS:	COLLECT UP SPILLAGES WITH INERT MATERIAL. AVOID SPILLING LARGE QUANTITIES DIRECTLY INTO NATURAL WATERWAYS AND STORM RUN-OFF AREAS.
DISPOSAL OF PACKAGING:	RECYCLE - DO NOT USE FOR WATER BEARING

### 14) TRANSPORT INFORMATION

TRANSPORTED AS PART OF A 'MULTI-LOAD'  
EMERGENCY RESPONSE GROUP: 111

### 15) REGULATORY INFORMATION

EEC HAZARD CLASSIFICATION:	IRRITANT
RISK PHRASES:	R36, IRRITATING TO EYES
SAFETY PHRASES:	S25, AVOID CONTACT WITH EYES. WEAR GOGGLES.

### 16. OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.





## GP<sup>BIO</sup> Multi-Surface Cleaner MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 1. IDENTIFICATION OF THE MATERIAL

<b>PRODUCT</b>	GP <sup>BIO</sup> Multi-Surface Cleaner
<b>PRODUCT APPLICATION</b>	Biological preparation with surfactants for degreasing, cleaning and odour reduction.
<b>PRODUCT PACKAGING</b>	Boxes of 24 x 100ml Super concentrate
<b>APPLICATION FEED RATE</b>	Dosages to be determined by formulator.

### 2. HAZARDS IDENTIFICATION

Product has been classified as non hazardous.

<b>HAZARD CATEGORY</b>	None allocated
<b>HAZARD CLASSIFICATION</b>	Non Hazardous, Non dangerous
<b>RISK PHRASES</b>	None allocated
<b>SAFETY PHRASES</b>	None allocated
<b>POISON SCHEDULE</b>	None allocated
<b>WARNING STATEMENT</b>	None indicated

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>HAZARDOUS COMPONENTS</b>	None
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### 4. FIRST AID MEASURES

<b>SWALLOWED</b>	If swallowed, DO NOT induce vomiting. Give 3 to 4 glasses of water to drink. If irritation persists transport to hospital or doctor.
<b>EYE</b>	If material enters the eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. If irritation persists, transport to hospital or doctor.
<b>SKIN</b>	If material is falls onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists transport to hospital or doctor.
<b>INHALED</b>	Move victim to fresh air.
<b>FIRST AID FACILITIES</b>	Eye wash fountain, safety shower and normal wash room facilities.



## GP<sup>BIO</sup> Multi-Surface Cleaner MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 5. FIRE FIGHTING MEASURES

#### FIRE/EXPLOSION HAZARD

#### FIRE FIGHTING PROCEDURES

If safe to do so, move undamaged containers from fire area.

Fire fighters to wear Self-contained breathing apparatus in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.

#### EXTINGUISHING MEDIA

Use extinguishing media suitable for surrounding fire situation.

#### HAZCHEM CODE

None allocated

#### FLAMMABILITY

Material is non flammable or combustible liquid.

### 6. ACCIDENTAL RELEASE MEASURES

Material may be slippery when spilt. Walk cautiously. Ventilate area. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS. Bund area using sand or soil - to prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labeled containers for disposal.

Product:	CAS Number	Ratio
Alkylpolyglycoside C8-10	68515-73-1	<10 - 30
Alkylpolyglycoside C10-16	110615-47-9	<10 - 30
Viable Bacterial cultures	N/A	>1
Alkylbenzenesulfonic acid	68584-22-5	<5 - 10
Fragrance	N/A	>1

### 7. HANDLING AND STORAGE

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

No exposure standards are available for this product, however the following exposure standards have been assigned to the following components of the product:

#### GLOVES

PVC or natural rubber. Impervious gloves

#### EYES

Chemical goggles or face shield

#### RESPIRATORY PROTECTION

Does not apply as not harmful

#### VENTILATION

Not applicable

#### EXPOSURE LIMITS

Not applicable as not harmful



## GP<sup>BIO</sup> Multi-Surface Cleaner MSDS



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Milky to Opaque
<b>ODOUR</b>	Clinical
<b>PH</b>	5.5 – 8.5
<b>TEMPERATURE RANGE</b>	6°C - 43°C
<b>STABILITY</b>	1 year+ stored at 5°C - 30°C
<b>SPECIFIC GRAVITY</b>	Approx. 1
<b>FLASH POINT &amp; FLAMMABILITY</b>	Not applicable
<b>SOLUBILITY IN WATER</b>	Miscible

### 10. STABILITY AND REACTIVITY

<b>STABILITY</b>	Stable under normal conditions of use.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Decomposes on heating emitting soot, smoke and decomposition products.
<b>HAZARDOUS POLYMERIZATION</b>	Will not occur.
<b>INCOMPATIBILITIES</b>	Strong acids, alkalis, most metals and oxidizing agents.
<b>CONDITIONS TO AVOID</b>	Heat, flames, ignition sources and incompatibles.

### 11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this MSDS and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

#### ACUTE HEALTH EFFECTS

<b>SWALLOWED</b>	May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhea.
<b>EYE</b>	May cause irritation to the eyes, with effects including tearing, pain, stinging and blurred vision.
<b>SKIN</b>	May cause irritation to the skin.
<b>INHALED</b>	Mists from the product may cause irritation to the nose, throat and respiratory system with effects including dizziness and headaches.
<b>CHRONIC TOXICOLOGICAL DATA</b>	Prolonged or repeated skin contact may lead to dermatitis. No toxic effects are likely to occur.



## GP<sup>BIO</sup> Multi-Surface Cleaner MSDS



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### 12. ECOLOGICAL INFORMATION

#### ECOTOXICITY

No data available.

#### MOBILITY

No data available.

#### PERSISTENCE/DEGRADABILITY

Biodegrades readily under aerobic and anaerobic conditions.

#### CHEMICAL FATE INFORMATION

No data available.

This substance may cause long term adverse effects in the aquatic environment. This substance may cause long term adverse effects in the environment. However, when used in accordance with the instructions, controlled release of this product is not expected to cause environmental contamination.

### 13. DISPOSAL CONSIDERATION

Contact the Land Waste Management Authority in your area.

### 14. TRANSPORT INFORMATION

Not classified as a Dangerous Goods for the Transport of Dangerous Goods by Road and Rail.

### 15. REGULATORY INFORMATION

#### SAFETY PHRASES:

**S23.2** Do not breathe vapour

**S26** In case of contact with eyes, rinse with water

**S45** In case of accident, seek medical advice immediately

Product has been classified as non hazardous according to the criteria.

### 16. OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.





## GP<sup>BIO</sup> Oven Cleaner MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 1) IDENTIFICATION OF PRODUCT

<b>PRODUCT NAME:</b>	GP <sup>BIO</sup> Oven Cleaner (Non Caustic)
<b>CHEMICAL FAMILY:</b>	ALKALINE DETERGENTS
<b>USES:</b>	OVEN/GRILL CLEANER

### 2) COMPOSITION / INGREDIENT INFORMATION

<b>HAZARDOUS INFORMATION:</b>	IRRITATING TO EYES AND SKIN
<b>HAZARDOUS COMPONENTS:</b>	ETHANOLAMINE: ≤ 10%

### 3) HAZARDOUS INFORMATION

<b>MAIN HAZARD:</b>	IRRITANT
<b>FLAMMABILITY:</b>	NON-COMBUSTIBLE
<b>CHEMICAL HAZARD:</b>	SHOULD NOT BE MIXED WITH OTHER CHEMICALS WITHOUT MANUFACTURER'S EXPRESS AGREEMENT
<b>BIOLOGICAL HAZARD:</b>	NONE
<b>REPRODUCTIVE HAZARD:</b>	NONE
<b>HEALTH EFFECTS (EYES):</b>	VERY HARMFUL. FLUSH DIRECTLY WITH WATER
<b>HEALTH EFFECTS (SKIN):</b>	MAY DRY SKIN OUT AFTER PROLONGUED CONTACT
<b>HEALTH EFFECTS (INGESTED):</b>	MAY IRRITATE THROAT AND CAUSE GASTROINTESTINAL DISTURBANCES SUCH AS IRRITATION, NAUSEA AND DIARRHEA
<b>HEALTH EFFECTS (INHALED):</b>	VAPOURS AND MISTS MAY IRRITATE RESPIRATORY SYSTEM
<b>CARCINOGENICITY:</b>	NOT KNOWN
<b>MUTAGENICITY:</b>	NOT KNOWN
<b>NEUROTOXICITY:</b>	NOT KNOWN

SHOULD ANY MEDICAL CONDITION PRESENT ITSELF, OR SHOULD ANY IRRITATION PERSIST, SEEK MEDICAL ATTENTION AND PRESENT THIS MSDS



## GP<sup>BIO</sup> Oven Cleaner MSDS



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### 4) FIRST AID MEASURES

**PRODUCT IN THE EYE:**

WASH WITH RUNNING WATER FOR AT LEAST 15 MINUTES, RINSE WITH MILK IF POSSIBLE. CONSULT A DOCTOR IF IRRITATION PERSISTS

**PRODUCT ON SKIN:**

WASH THOROUGHLY WITH WATER

**PRODUCT INGESTED:**

GET MEDICAL ADVICE IMMEDIATELY DO NOT INDUCE VOMITING

**PRODUCT INHALED:**

REMOVE PATIENT TO OPEN AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION

### 5) FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:**

CARBON DIOXIDE / DRY REGULAR FOAM

**PROTECTIVE CLOTHING:**

POSITIVE –PRESSURE SELF CONTAINED BREATHING APPARATUS

### 6) ACCIDENTAL RELEASE MEASURES

**PERSONAL CONCERNS:**

MINIMIZE SKIN CONTACT. PERSONNEL MUST WEAR FULL PROTECTION GEAR TO PROTECT THEMSELVES FROM UNNECESSARY CONTACT WITH THE PRODUCT

**ENVIRONMENTAL CONCERNS:**

THIS PRODUCT DOES NOT CONTAIN ALKYL PHENOL ETHOXYLATES, SO THERE ARE NO ADVERSE EFFECTS OF AN ENDOCRINE DISRUPTIVE NATURE THAT CAN BE LINKED TO THIS PRODUCT.

**SMALL SPILLS:**

ABSORB/ADSORB WITH SAND OR OTHER SUITABLE MATERIAL

**LARGE SPILLS:**

TRY TO CONTAIN WITH ABSORBANT

### 7) HANDLING & STORAGE

**SUITABLE MATERIALS:**

HD POLYETHYLENE CONTAINERS

**HANDLING / STORAGE PRECAUTIONS:**

AVOID HEAT



## GP<sup>BIO</sup> Oven Cleaner MSDS



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### 8) EXPOSURE CONTROLS

#### ENGINEERING CONTROL MEASURES:

VENTILATE OR USE SELF CONTAINED BREATHING APPARATUS WHERE VENTILATION IS INSUFFICIENT. EYE WASH FOUNTAINS AND EMERGENCY SHOWERS SHOULD BE AVAILABLE

#### PERSONAL PROTECTION – HAND:

WEAR PVC GLOVES

#### PERSONAL PROTECTION – EYE:

WEAR GOGGLES, FACE SHIELD

#### PERSONAL PROTECTION – SKIN:

WEAR A PROTECTIVE APRON

### 9) PHYSICAL AND CHEMICAL PROPERTIES

#### APPEARANCE:

CLEAR DARK ORANGE TO RUDDY-BROWN LIQUID

#### ODOUR:

CHARACTERISTIC ODOUR

#### BOILING POINT:

NOT KNOWN

#### MELTING POINT:

NOT KNOWN

#### FLASH POINT:

NOT RELEVANT

#### FLAMMABILITY:

NON-FLAMMABLE

#### OXIDIZING PROPERTIES:

NIL

#### VAPOUR PRESSURE:

NOT KNOWN

#### DENSITY:

ca. 1.02 +/- 0.02 kg/l

#### pH

12.5 to 13.2

#### SOLUBILITY – SOLVENT:

SOLUBLE IN MOST SOLVENT ALCOHOLS

#### SOLUBILITY – WATER:

SOLUBLE IN ALL PROPORTIONS

#### NEUROTOXICITY:

NIL

### 10) STABILITY AND REACTIVITY

#### CHEMICAL STABILITY:

STABLE UNDER NORMAL CONDITIONS

#### CONDITION TO AVOID:

HIGH TEMPERATURES, FLAMES AND SPARKS

#### INCOMPATIBLE MATERIALS:

PRODUCT MAY REACT WITH STRONG ACIDS AND STRONG OXIDIZING AGENTS

**HAZARDOUS DECOMPOSITION PRODUCTS:** METHANOL IN WATER AND IN PROCESSING, CO<sub>2</sub> IF BURNED



## GP<sup>BIO</sup> Oven Cleaner MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 11) TOXICOLOGICAL INFORMATION

<b>ACUTE TOXICITY:</b>	ACUTE ORAL LD RAT: 220-250 mg/cu.m VAPOUR PHASE
<b>SKIN &amp; EYE CONTACT:</b>	IRRITANT, VERY HARMFUL TO EYES
<b>CHRONIC TOXICITY:</b>	INGESTION MAY RESULT IN NAUSEA, VOMITING, ABDOMENAL PAIN, DIARRHOEA, DIZZINESS AND DROWSINESS
<b>CARCINOGENICITY:</b>	NIL
<b>MUTAGENICITY:</b>	NIL
<b>REPRODUCTIVE HAZARDS:</b>	NIL

### 12) ECOLOGICAL INFORMATION

<b>AQUATIC TOXICITY – FISH:</b>	NON-TOXIC*
<b>AQUATIC TOXICITY – DAPHNIA:</b>	NON TOXIC*
<b>AQUATIC TOXICITY – ALGAE:</b>	NON TOXIC*
<b>BIODEGRADABILITY:</b>	YES
<b>BIO ACCUMULATION:</b>	NO

NOTE: THE AQUATIC TOXICITIES ABOVE (NON TOXIC\*) REFER TO FINAL EFFLUENT WATER WHERE THE PRODUCT HAS ALREADY BEEN ESSENTIALLY REMOVED FROM RUN-OFF WATER THROUGH AN OIL SEPARATOR AND IS DILUTED TO A LEVEL WHERE THE CONCENTRATION IN THE FACTORY FINAL EFFLUENT IS LESS THAN 1000 TIMES THE SUPPLIED PRODUCT CONCENTRATION.

### 13) DISPOSAL CONSIDERATION

<b>DISPOSAL METHODS:</b>	REFER TO LOCAL AUTHORITY
<b>DISPOSAL OF PACKAGING:</b>	AS ABOVE

### 14) TRANSPORT INFORMATION

TRANSPORTED AS PART OF A 'MULTI-LOAD'





## GP<sup>BIO</sup> Oven Cleaner MSDS



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### 15) REGULATORY INFORMATION

<b>MAIN RISK:</b>	Xi - IRRITANT
<b>R PHRASES:</b>	R36/38
<b>S PHRASES:</b>	S2, S24/25, S26, S37/39
<b>RISK PHRASES:</b>	IRRITATING TO EYES AND SKIN
<b>SAFETY PHRASES:</b>	KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH SKIN AND EYES. IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. WEAR SUITABLE GLOVES AND EYE/ FACE PROTECTION.

### SECTION 16: OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.



## GP<sup>BIO</sup> Scale Remover MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 1. IDENTIFICATION OF THE MATERIAL

PRODUCT Scale Remover  
PRODUCT PACKAGING 5Kg, 25kg drums

### 2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION Hazardous Substance. Dangerous Goods.  
RISK PHRASES R34 Causes burns  
SAFETY PHRASES S1/2 – Keep out of reach of children  
S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.  
S45 – In case of accident or if you feel unwell seek medical attention immediately  
S36/37/39 – Wear suitable protective clothing, gloves and eye/face protection

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS NO	PROPORTION
Phosphoric Acid	7664-38-2	10-25%

### 4. FIRST AID MEASURES

INHALATION Remove to fresh air. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.  
Administer oxygen if breathing is difficult.

SKIN Remove contaminated clothing and footwear. Wash affected area with copious quantities of water for at least 15 minutes. If irritation develops or persists seek medical attention.

EYE Flush with plenty of water ensuring eye lids are held open, for 15 minutes. Seek medical attention.

INGESTION Rinse mouth with water. Do NOT induce vomiting. Give water to drink to be taken in slowly. Seek medical attention.

FIRST AID FACILITIES Eye wash station and normal washroom facilities.

ADVICE TO DOCTOR Treat symptomatically for acids (Phosphoric Acid).



## GP<sup>BIO</sup> Scale Remover MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 5. FIRE FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Use extinguishing media appropriate to surrounding fire.

Use water spray to cool containers and surrounds.

#### SPECIFIC METHOD

Fire fighters to wear self contained breathing apparatus and protective equipment. If safe to do so remove containers from path of fire.

#### SPECIFIC HAZARDS

Non-flammable liquid. However, flammable and explosive hydrogen gas may be formed on contact with metals.

### 6. ACCIDENTAL RELEASE MEASURES

#### EMERGENCY PROCEDURES

Keep unnecessary people away. Isolate hazard area and deny entry. Stay upwind. Keep out of low areas. Wear appropriate eye, skin and respiratory protection as outlined in this MSDS.

#### SPILLS & DISPOSAL

Wear protective equipment to prevent skin and eye contamination consisting of rubber gloves and safety goggles. Contain large spills with an inert material such as sand, soil or vermiculite. Collect and seal in properly labelled containers for disposal. Small spills may be mopped up. Wash down area with excess water.

### 7. HANDLING AND STORAGE

#### SAFE HANDLING & STORAGE

Store in a cool place in sealed plastic containers. Store in a well ventilated area. Store away from oxidising agents and foodstuffs. Store away from sources of heat. Keep containers closed when not in use.



## GP<sup>BIO</sup> Scale Remover MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### ENGINEERING CONTROLS

Corrosive liquid. Maintain adequate ventilation at all times. Prevent accumulation of vapours in hollows or sumps. Eliminate any sources of ignition. Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions. If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal protective equipment, which is known to perform satisfactorily, should be used.

#### PERSONAL PROTECTIVE EQUIPMENT

Avoid contact with the skin and eyes. Avoid breathing the vapour. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

- ☐ PVC or nitrile rubber gloves
- ☐ Chemical goggles or face shield to protect eyes
- ☐ Respirators. The use of a disposable dust mask or replaceable filters is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is known then the use of a self contained breathing apparatus with positive pressure air supply or any other acceptable standard is recommended.
- ☐ Always maintain a high level of personal hygiene when using this product. Wash hands before eating, drinking, smoking or using the bathroom.





## GP<sup>BIO</sup> Scale Remover MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM	Liquid
APPEARANCE & COLOUR	Opaque thin liquid
ODOUR	Pleasant fruity
SOLUBILITY IN WATER	Miscible at all concentrations
SPECIFIC GRAVITY	1.1
pH VALUE	1.0 – 2.0
FLASH POINT	None
FLAMMABILITY	Non flammable

### 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY	Stable under normal use conditions
CONDITIONS TO AVOID	Open flames, sparks and heat
MATERIALS TO AVOID	Strong bases, aluminium, zinc, magnesium and oxidising agents
HAZARDOUS DECOMPOSITION	If involved in a fire, toxic fumes will be evolved
HAZARDOUS REACTIONS	Contact with metals may produce hydrogen gas, which is flammable. If splashing occurs rinse with water and wipe clean. Do not mix with bleaches, acids or other cleaning solutions.

### 11. TOXICOLOGICAL INFORMATION

TOXICOLOGY INFORMATION	No adverse health effects are expected, if the product is handled in accordance with this MSDS. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are as follows.
INHALATION	May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and loss of co-ordination.
INGESTION	May cause irritation to mouth, throat and stomach with effects including mucous build up. Irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.
SKIN	May cause irritation to the skin, with effects including: Redness and itchiness.
EYE	May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.
CHRONIC EFFECTS	Prolonged or repeated skin contact will lead to necrosis (death) of the skin.



## GP<sup>BIO</sup> Scale Remover MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 12. ECOLOGICAL INFORMATION

ECOTOXICITY

PERSISTENCE / DEGRADABILITY

MOBILITY

ENVIRONMENT PROTECTION

Harmful to aquatic organisms

The surfactant used in this product is not considered to be readily biodegradable.

Readily transported by water.

Avoid contaminating waterways, drains, sewers or ground.

### 13. DISPOSAL CONSIDERATION

DISPOSAL METHODS:

Dispose in accordance with local landfill regulations

### 14. TRANSPORT INFORMATION

SHIPPING NAME

HAZARD CLASS

Corrosive Liquid, Acidic, Inorganic, N.O.S.

8 – Dangerous goods. Dangerous goods of class 8 corrosive are incompatible in a placard load with any of the following:

- Classes 1, 4.3, 5,6 & 7.

3

PACKING GROUP

### 15. REGULATORY INFORMATION

R-PHRASE

S-PHRASE

R34 – Causes burns

S1/2 – Keep out of reach of children

S7 – Keep container tightly closed

S9 – Store in well ventilated area

S16 – Keep away from sources of ignition

S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical attention

S33 – Protect against static discharge

S36/37/39 – Wear suitable protective clothing, gloves and eye/face protection

S45 – In case of accident or if you feel unwell seek medical attention immediately

### 16. OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.



## GP<sup>BIO</sup> Sewage Digester MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 1. IDENTIFICATION OF THE MATERIAL

PRODUCT	GP <sup>BIO</sup> Sewage Digester
PRODUCT PACKAGING	5L, 25L, & 208L

### 2. HAZARDS IDENTIFICATION

HAZARD	
CLASSIFICATION	None allocated
FLAMMABILITY	None allocated
CHEMICAL HAZARD	None allocated
BIOLOGICAL HAZARD	No known effect
HEALTH EFFECTS – EYES	No known effect
HEALTH EFFECTS – SKIN	No known effect
HEALTH EFFECTS – INGESTION	Not to be ingested. Effects unknown
HEALTH EFFECTS – INHALATION	No known effect
CARCINOGENICITY	No known effect
MUTAGENECITY	No known effect
REPRODUCTION HAZARD	No known effect
NEUROTOXICITY	No known effect

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	None
EEC CLASSIFICATION	N/A
R PHRASES	N/A

### 4. FIRST AID MEASURES

SWALLOWED	Seek medical attention
EYE	If material enters the eyes, flush with plenty of saline ensuring eye lids are held open. If irritation persists seek medical attention.
SKIN	Rinse with water.
INHALED	Move to fresh air

### 5. FIRE FIGHTING MEASURES

PROTECTIVE CLOTHING	None required
EXTINGUISHING MEDIA	CO <sub>2</sub>
SPECIAL HAZARDS	None



## GP<sup>BIO</sup> Sewage Digester MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 6. ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

None

#### ENVIRONMENTAL PRECAUTIONS:

None

#### SPILLS

Collect product and dispose as normal liquid waste to sewage

### 7. HANDLING AND STORAGE

#### SAFE HANDLING

Normal handling procedures. Store under cool dark ambient conditions

#### SAFE STORAGE

Store under cool dark ambient conditions

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### OCCUPATIONAL EXPOSURE LIMITS

No data available

#### ENGINEERING MEASURES

None required

#### PERSONAL PROTECTION - RESPIRATORY

None required

#### PERSONAL PROTECTION - HAND

None required

#### PERSONAL PROTECTION - EYE

None required

#### PERSONAL PROTECTION - SKIN

None required

#### OTHER PROTECTION

Use according to supplier instructions

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### APPEARANCE

A liquid blend with a blue or green colour

#### ODOUR

Natural

#### pH

5.00 ± 0.1 (as supplied)

#### FLAMMABILITY

Not applicable

#### AUTO FLAMMABILITY

Not applicable

#### EXPLOSIVE PROPERTIES

None

#### VAPOUR PRESSURE

Not applicable

#### SOLUBILITY - WATER

Dissipates in water

#### SOLUBILITY - SOLVENT

Dissipates in solvents

#### SOLUBILITY—COEFFICIENT

Not applicable

#### FLASH POINT

Not applicable

#### BOILING POINT

Not applicable

#### MELTING POINT

Not applicable

#### DENSITY

1.000kg./l-1 ± 0.005

#### OXIDIZING PROPERTIES

None





## GP<sup>BIO</sup> Sewage Digester MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 10. STABILITY AND REACTIVITY

#### STABILITY

Stable under normal conditions

#### HAZARDOUS

-

#### DECOMPOSITION

-

#### PRODUCTS

None known

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

No known effect when used according to instructions

#### CHRONIC TOXICITY

No known effect when used according to instructions

#### CARCINOGENICITY

No known effect when used according to instructions

#### MUTAGENECITY

No known effect when used according to instructions

#### REPRODUCTION HAZARD

No known effect when used according to instructions

### 12. ECOLOGICAL INFORMATION

#### BIODEGRADABILITY

Biodegradable

#### AQUATIC TOXICITY

No known effect when used according to instructions

#### BIOACCUMULATION

No data available

### 13. DISPOSAL CONSIDERATION

#### DISPOSAL METHODS:

Dispose in accordance with local regulations

### 14. TRANSPORT INFORMATION

Not classified as a Dangerous Goods for the Transport of Dangerous Goods by Road and Rail.

### 15. REGULATORY INFORMATION

#### EEC HAZARD CLASSIFICATION

Not applicable

#### RISK PHRASES

Not applicable

#### SAFETY PHRASES

Not applicable OSH Act

#### NATIONAL LEGISLATION

### 16. OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.



## GP<sup>BIO</sup> Surgical Instrument Cleaner MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 1. IDENTIFICATION OF THE MATERIAL

PRODUCT	GP <sup>BIO</sup> Surgical Instrument Cleaner
PRODUCT PACKAGING	25KG
PRODUCT APPLICATION	Propriety blend of enzymes and adjuvants used for biological cleaning

### 2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION	<input type="checkbox"/> R41 - Risk of serious damage to eyes <input type="checkbox"/> R43 - May cause sensitisation by skin contact
RISK PHRASES	<input type="checkbox"/> R41 - Risk of serious damage to eyes <input type="checkbox"/> R43 - May cause sensitisation by skin contact
SAFETY ADVICE	<input type="checkbox"/> S26 – In case of contact with eyes, rinse immediately with plenty of water <input type="checkbox"/> S24 – Avoid contact with skin <input type="checkbox"/> S37/39 – Wear suitable gloves and eye/face protection
POISON SCHEDULE	None allocated
WARNING STATEMENT	None indicated
OTHER HAZARDS	None indicated

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Classification of ingredients according to directive 67/548 EEC
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SUBSTANCE IDENTIFIER	CONC. %	SYMBOLS	R PHRASE	CAS NO.	EC NO.
Enzyme blend-protease, amylase, lipase	10-50	Xn	R22, R41-38	9014-01-1	NA
Glycol	15-40	Xi	R41-38	57-55-6	NA
Preservative	1-10	Xn	R22, R41	2682-20-4	NA
Stabiliser	<5	Xn	R22, R41	1330-43-4	NA



## GP<sup>BIO</sup> Surgical Instrument Cleaner MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 4. FIRST AID MEASURES

SWALLOWED

If swallowed, drink water to dilute. Do not induce vomiting. Seek medical attention.

EYE

If material enters the eyes, flush with plenty of ensuring eye lids are held open. If irritation persists seek medical attention.

SKIN

If material is falls onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists seek medical attention.

INHALED

Remove victim to fresh air. Rest and keep warm. If symptoms of irritation and/or sensitisation occur (shortness of breath, wheezing or laboured coughing) seek medical attention.

FIRST AID FACILITIES

Eye wash fountain and normal wash room facilities.

SYMPTOMS: ACUTE & DELAYED

Risk of serious damage to eyes. May cause sensitisation by skin contact. Organisms used are non-pathogenic but can cause infection when in contact with open wounds.

### 5. FIRE FIGHTING MEASURES

FIRE/EXPLOSION HAZARD

None allocated

FIRE FIGHTING PROCEDURES

Self contained breathing apparatus should be worn

EXTINGUISHING MEDIA

All types of extinguishers may be used: water or foam

HAZARDS FROM SUBSTANCE

If substance is involved in a fire, oxides of carbon and nitrogen may be evolved

FLAMMABILITY

None allocated

### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Use protective equipment. Avoid formation of dust, splashing and formation of aerosols

ENVIRONMENTAL PRECAUTIONS:

None

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING-UP:

Clean-up by collection

REFERENCE TO OTHER SECTIONS:

For personal protective equipment, refer to section 8



## GP<sup>BIO</sup> Surgical Instrument Cleaner MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 7. HANDLING AND STORAGE

#### SAFE HANDLING PRECAUTIONS:

The substance should be handled under conditions of good industrial hygiene and in conformity with any local regulations in order to avoid unnecessary exposure. The product is formulated using a range of microorganisms specially selected from the natural environment and that are known to be nonpathogenic to humans, animals or plants. It is advised to cover open wounds when in use.

#### TECHNICAL MEASURES:

The use of gloves is recommended to reduce exposure to the preparation.

#### SPECIFIC REQUIREMENTS:

None

#### SAFE STORAGE

- SPECIFIC STORAGE
- ROOM/VESSEL:
- INCOMPATIBLE MATERIALS:

None

-

Strong acids or alkali compounds may inactivate biological cultures. Avoid strong oxidising agents. Do not store in metallic containers.

- CONDITIONS OF STORAGE:

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Avoid freezing temperatures. Avoid temperatures above 45 °C to preserve biological stability.

- QUANTITY LIMITS:

None

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### CONTROL PARAMETERS

None

#### EXPOSURE CONTROL

None

#### PERSONAL PROTECTIVE EQUIPMENT

The user as part of a formal exposure risk assessment should decide upon the provision of personal protective equipment and the need to provide engineering control measures. Based upon the available toxicological information the protective measures described below should be regarded as a minimum.

#### HAND PROTECTION

Avoid prolonged or frequent repeated skin contact, especially with broken skin. Chemical protective gloves to a standard should be provided. Usage periods should not exceed the breakthrough times for the chemical stated by the manufacturer of the glove.





## GP<sup>BIO</sup> Surgical Instrument Cleaner MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### EYES AND FACE

Safety glasses, to prevent eye exposure, are recommended to be used when handling the product. The protection should be capable of giving chemical protection.

### RESPIRATORY PROTECTION SKIN

No special ventilation is usually necessary.  
Avoid contact with broken skin. In case of prolonged/frequent direct handling of the material it is recommended to wear chemical protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Clear - opaque liquid

### ODOUR

Chemical

### pH

7.5 – 9

### TEMPERATURE RANGE

6°C - 60°C

### FLAMMABILITY

Not applicable

### AUTOFLAMMABILITY

Not determined

### EXPLOSIVE PROPERTIES

Predicted not explosive based on chemical structure

### OXIDISING PROPERTIES

Not determined

### VAPOUR PRESSURE

Not determined

### RELATIVE DENSITY

Not determined

### SOLUBILITY

Water Solubility - Soluble

Fat Solubility - Not determined

### FLASH POINT

Not determined

### BOILING POINT

Not determined

### MELTING POINT/RANGE

Not applicable

## 10. STABILITY AND REACTIVITY

### REACTIVITY

Not reactive

### CHEMICAL STABILITY

Stable

### HAZARDOUS DECOMPOSITION PRODUCTS

None

### HAZARDOUS REACTIONS

If the substance is involved in a fire, oxides of carbon and nitrogen may be evolved

### CONDITIONS TO AVOID

Excessive temperature variations, below 0 °C or above 45 °C.

### INCOMPATIBLE MATERIALS

Strong acids, alkali compounds and strong oxidising agents may inactivate biological cultures



## GP<sup>BIO</sup> Surgical Instrument Cleaner MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE HEALTH EFFECTS

- SWALLOWED	Not determined
- SKIN	Not determined
- INHALED	Not determined

#### IRRITATION

- EYE	Not determined
- SKIN	Not determined
- SENSITISATION	Not determined

### 12. ECOLOGICAL INFORMATION

#### TOXICITY

The preparation is not anticipated to pose any environmental hazard. No data on toxicity specifically to soil organisms, plants and terrestrial animals are available.

#### PERSISTENCE/DEGRADABILITY

The preparation is expected to biodegrade biodegradation is available.

#### BIOACCUMULATIVE POTENTIAL

Not anticipated to bio-accumulate

#### MOBILITY IN SOIL

No information available

#### OTHER ADVERSE EFFECTS

There is no ozone depletion, photochemical ozone creation or global warming potential. Adverse effects in the sewage treatment plant are not anticipated.

### 13. DISPOSAL CONSIDERATION

#### WASTE TREATMENT METHODS:

Dispose of by incineration or landfill in accordance with local regulations

### 14. TRANSPORT INFORMATION

Not classified as a Dangerous Goods for the Transport of Dangerous Goods by Road and Rail.

### 15. REGULATORY INFORMATION

LABELING	COMPONENT	QUANTITY (%)
	Anionic Agent	5-50

R-PHRASES	R22 - Harmful if swallowed
	R36 - Irritating to eyes
	R38 - Irritating to skin
	R41 - Risk of serious damage to eyes
	R43 - May cause a sensitisation by skin contact



## GP<sup>BIO</sup> Surgical Instrument Cleaner MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

HAZARDOUS STATEMENT	H302 - Harmful if swallowed
	H315 - Causes skin irritation
	H317 - May cause an allergic skin reaction
	H318 - Causes serious eye damage

### 16. OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.



## GP<sup>BIO</sup> Urinal Blocks MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 1) PRODUCT COMPANY IDENTIFICATION

PRODUCT IDENTIFICATION:

Urinal Bio-Enzyme Domes (Ecozyme P-Gobbler)

PRODUCT USE:

To clean urinal and keep drain lines open and remove odour

### 2) HAZARDOUS INGREDIENTS

Non-hazardous

### 3) HAZARD IDENTIFICATION

H.M.I.S.

N.F.P.A.

HEALTH:

1

FLAMMABILITY:

0

REACTIVITY:

0

SPECIAL:

None

PERSONAL PROTECTION:

None

### 4) FIRST AID

SKIN:

Flush with water

EYES:

Flush with water

INGESTION:

n/a

INHALATION:

n/a

### 5) FIRE FIGHTING MEASURES

FLASH POINT:

n/a

UEL:

n/a

EXTINGUISHING MEDIA:

That which is compatible with environment

LEL:

n/a

AUTO IGNITION TEMPERATURE:

n/a

PH:

7.0-7.5

COMBUSTION PRODUCTS:

Carbon Dioxide, Carbon Monoxide

### 6) ACCIDENTAL RELEASE MEASURES

LARGE SPILLS:

Sweep up

SMALL SPILLS:

Sweep up

CLEANUP PROCEDURES:

Sweep up and flush area with water

### 7) HANDLING AND STORAGE

Hold in carton and store in a cool dry place





## GP<sup>BIO</sup> Urinal Blocks MSDS



**Green Chemistry—bringing sustainability to chemical products and processes.**

### 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

N/A

### 9) PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Cube shape
ODOR:	Pleasant aroma
VAPOR DENSITY:	n/a
PHYSICAL STATE:	Solid block
VAPOR PRESSURE:	n/a
SPECIFIC GRAVITY:	98
BOILING POINT:	n/a
PH:	Neutral
MELTING POINT:	140F
SOLUBILITY:	Complete

### 10) STABILITY & REACTIVITY

STABILITY:	Stable
INCOMPATIBILITIES:	Strong oxidants
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	Temperature above 25C

### 11) TOXICOLOGICAL INFORMATION

Non-Hazardous

### 12) ECOLOGICAL INFORMATION

The urinal block itself is biodegradable.

The screen itself is plastic and can be disposed into the trash and be recycled.

### 13) DISPOSAL INFORMATION

The plastic dome can be disposed into a sanitary land fill or be recycled. The plastic dome can be disposed into a sanitary land fill or be recycled.

### 14) TRANSPORTATION INFORMATION

US DOT – Not regulated – Non-Hazardous



## GP<sup>BIO</sup> Wash & Wax Oil Digester MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 1) IDENTIFICATION OF PRODUCT

PRODUCT NAME:

GP<sup>BIO</sup> Wash & Wax Oil Digester

### 2) COMPOSITION / INGREDIENT INFORMATION

INGREDIENT NAME:

WATER BASED DETERGENT OF ANIONIC / & BIOLOGICAL / NEUTRAL NATURE FOR DOMESTIC AND INSTITUTIONAL USE, CONTAINING SULPHONATED / ETHOXYLATED NATURAL ORGANIC COMPOUNDS AN ADDED WAX EMULSION FOR EXTRA GLOSS

HAZARDOUS COMPONENTS:

ALCOHOL GLYCOL ETHERS 0% -10%

EEC CLASSIFICATION:

N/A

R PHRASES:

IRRITATING TO EYES

S PHRASES:

WEAR EYE PROTECTION WHEN HANDLING CONCENTRATED PRODUCT

### 3) HAZARDOUS INFORMATION

MAIN HAZARD:

IRRITANCY

FLAMMABILITY:

NO

CHEMICAL HAZARD:

NIL

BIOLOGICAL HAZARD:

NIL

REPRODUCTIVE HAZARD:

NIL

HEALTH EFFECTS: EYES:

IRRITANT

HEALTH EFFECTS: SKIN:

IRRITANT

HEALTH EFFECTS: INGESTION:

NAUSEA

HEALTH EFFECTS: INHALATION:

N/A

CARCINOGENICITY:

NIL

MUTAGENICITY:

NIL

NEUROTOXICITY:

NIL

### 4) FIRST AID MEASURES

EYES:

WASH PROMPLY WITH WATER, LIFTING EYELIDS, UNTIL STINGING HAS STOPPED.

SKIN:

FLUSH WITH LARGE AMOUNT OF WATER

INHALATION:

N/A

INGESTION:

GIVE PERSON LARGE AMOUNTS OF WATER TO DRINK



## GP<sup>BIO</sup> Wash & Wax Oil Digester MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 5) FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	N / A
PROTECTIVE CLOTHING:	N / A
SPECIAL HAZARD:	N / A

### 6) ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	NO SPECIAL PRECAUTIONS
ENVIRONMENTAL CONCERNS:	NONE
SMALL SPILLS:	ABSORB WITH SAND, EARTH, SAWDUST OR OTHER ABSORBENT MATERIALS, AND SWEEP INTO A SUITABLE CONTAINER.
LARGE SPILLS:	PREVENT THE SPILLAGE FROM ENTERING DRAINS, DITCHES & RIVERS BY USE OF ABSORBENT. INFORM LOCAL AUTHORITIES IF THIS CANNOT BE PREVENTED.

### 7) HANDLING & STORAGE

SUITABLE MATERIAL:	PLASTIC DRUMS
STORAGE PRECAUTIONS:	STORE IN COOL PLACE

### 8) EXPOSURE CONTROLS

PROTECTIVE EQUIPMENT:	GOGGLES & GLOVES
PROTECTIVE GLOVES:	AVOID PROLONGED CONTACT WITH CONCENTRATED PRODUCT
EYE PROTECTION:	TRY TO AVOID EYE CONTACT. WASH THOROUGHLY IN CASE OF EYE CONTACT.
ADDITIONAL INSTRUCTION:	N / A
RESPIRATORS:	N / A

### 9) PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	THICK OPAQUE LIQUID
ODOUR / TASTE:	NEUTRAL
SOLUBILITY:	100% DISPERSIBLE IN WATER
SPECIFIC GRAVITY:	APPROX 1.02
PH (10 %):	7.5 – 8.5



## GP<sup>BIO</sup> Wash & Wax Oil Digester MSDS



Green Chemistry—bringing sustainability to chemical products and processes.

### 10) STABILITY AND REACTIVITY

STABILITY:

NO PARTICULAR STABILITY CONCERNS EXCEPT AT HIGH TEMPERATURES.

MATERIALS TO AVOID:

NONE

### 11) TOXICOLOGICAL INFORMATION

TOXIC DOSE(LD50)

NO INFORMATION CURRENTLY AVAILABLE

TOXIC CONS(LC50)

NO INFORMATION CURRENTLY AVAILABLE

HEALTH WARNINGS:

MAY BE IRRITANT TO EYES AND MUCOUS MEMBRANES PROLONGED EXPOSURES.

HEALTH SYMPTOMS:

IRRITATION OF EYES & MUCOUS MEMBRANES. ACUTE & CHRONIC HEALTH

HAZARDS:

NO KNOWN CHRONIC / ACUTE EFFECTS

### 12) ECOLOGICAL INFORMATION

DEGRADABILITY:

READILY BIODEGRADABLE

ACUTE FISH TOXICITY:

NO INFORMATION CURRENTLY AVAILABLE

WATER CLASSIFICATION:

MAY BE SLIGHT POLLUTANT AT HIGH CONCENTRATION LEVELS.

### 13) DISPOSAL CONSIDERATION

DISPOSAL METHOD:

CONFIRM DISPOSABLE PROCEDURES WITH LOCAL AUTHORITIES.

### 14) TRANSPORT INFORMATION

UN NO:

NOT CONSIDERED AS HAZARDOUS FOR TRANSPORT

### 15) REGULATORY INFORMATION

LABEL FOR SUPPLY:

IRRITANT.

RISK PHRASES:

IRRITATING TO EYES.

SAFETY PHRASES:

WEAR SUITABLE GLOVES & EYE PROTECTION.

### 16) OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. above product.