

SAFETY DATA SHEET

WASH & WAX

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name WASH & WAX
Product number GWW001/01
Internal identification M392

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Supplier GARDX PROTECTION LTD
UNIT 7 CLOVELLY BUSINESS PARK
CLOVELLY ROAD
SOUTHBOURNE, EMSWORTH
HANTS
PO10 8PE
+44 (0)1243 376426

product@gardx.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 777 8505 330 (24 hrs)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified
Health hazards Eye Dam. 1 - H318
Environmental hazards Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) Xi;R36.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

WASH & WAX

Precautionary statements

P102 Keep out of reach of children.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with national regulations.

Contains

Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl), Alcohols, C12-C14 (even numbered), ethoxylated, sulphates, sodium salts, COCO AMIDO PROPYL BETAINE

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)			1-5%
CAS number: 68155-07-7	EC number: 931-329-6	REACH registration number: 01-2119490100-53-xxxx	
Classification	Classification (67/548/EEC or 1999/45/EC)		
Skin Irrit. 2 - H315	Xi;R38,R41.		
Eye Dam. 1 - H318			
Aquatic Chronic 2 - H411			
Alcohols, C12-C14 (even numbered), ethoxylated, sulphates, sodium salts			1-5%
CAS number: 68891-38-3	EC number: 500-234-8	REACH registration number: 01-2119488639-16	
Classification	Classification (67/548/EEC or 1999/45/EC)		
Skin Irrit. 2 - H315	Xi;R36/38.		
Eye Dam. 1 - H318			
Aquatic Chronic 3 - H412			
COCO AMIDO PROPYL BETAINE			1-5%
CAS number: —	EC number: 931-296-8	REACH registration number: 01-2119488533-30-xxxx	
Classification	Classification (67/548/EEC or 1999/45/EC)		
Eye Dam. 1 - H318	Xi;R41.		
Aquatic Chronic 3 - H412			

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2,2'-IMINODIETHANOL <1%												
CAS number: 111-42-2	EC number: 203-868-0	REACH registration number: 01-2119488930-28-xxxx										
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Classification</td> <td style="width: 50%; border: none;">Classification (67/548/EEC or 1999/45/EC)</td> </tr> <tr> <td style="border: none;">Acute Tox. 4 - H302</td> <td style="border: none;">Xn;R22,R48/22 Xi;R38,R41</td> </tr> <tr> <td style="border: none;">Skin Irrit. 2 - H315</td> <td style="border: none;"></td> </tr> <tr> <td style="border: none;">Eye Dam. 1 - H318</td> <td style="border: none;"></td> </tr> <tr> <td style="border: none;">STOT RE 2 - H373</td> <td style="border: none;"></td> </tr> </table>			Classification	Classification (67/548/EEC or 1999/45/EC)	Acute Tox. 4 - H302	Xn;R22,R48/22 Xi;R38,R41	Skin Irrit. 2 - H315		Eye Dam. 1 - H318		STOT RE 2 - H373	
Classification	Classification (67/548/EEC or 1999/45/EC)											
Acute Tox. 4 - H302	Xn;R22,R48/22 Xi;R38,R41											
Skin Irrit. 2 - H315												
Eye Dam. 1 - H318												
STOT RE 2 - H373												
GLYCERINE <1%												
CAS number: 56-81-5	EC number: 200-289-5	REACH registration number: 01-2119471987-18-XXXX										
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Classification</td> <td style="width: 50%; border: none;">Classification (67/548/EEC or 1999/45/EC)</td> </tr> <tr> <td style="border: none;">Not Classified</td> <td style="border: none;">-</td> </tr> </table>			Classification	Classification (67/548/EEC or 1999/45/EC)	Not Classified	-						
Classification	Classification (67/548/EEC or 1999/45/EC)											
Not Classified	-											

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	IF INHALED: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
Skin contact	Rinse with water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Upper respiratory irritation.
Ingestion	Gastrointestinal symptoms, including upset stomach.
Skin contact	Product has a defatting effect on skin.
Eye contact	Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO).
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5.3. Advice for firefighters

Protective actions during firefighting	No specific firefighting precautions known.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin, eyes and clothing. Do not empty into drains. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store at temperatures between 4°C and 40°C.

Storage class Corrosive storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

2,2'-IMINODIETHANOL

Long-term exposure limit (8-hour TWA): WEL 3 ppm 13 mg/m³

GLYCERINE

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

WEL = Workplace Exposure Limit

Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl) (CAS: 68155-07-7)

DNEL

Industry - Dermal; Long term systemic effects: 4.16 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 73.4 mg/m³
 Consumer - Dermal; Long term systemic effects: 2.5 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 21.73 mg/m³
 Consumer - Oral; Long term systemic effects: 6.25 mg/kg/day

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- PNEC**
- Fresh water; 0.007 mg/l
 - Marine water; 0.0007 mg/l
 - Intermittent release; 0.0024 mg/l
 - STP; 830 mg/l
 - Soil; 0.0189 mg/l
 - Sediment; 0.0424 mg/kg

Alcohols, C12-C14 (even numbered), ethoxylated, sulphates, sodium salts (CAS: 68891-38-3)

- DNEL**
- Industry - Dermal; Long term : 2050 mg/kg/day
 - Industry - Inhalation; Long term : 175 mg/m³
 - Consumer - Oral; Long term : 15 mg/kg/day
 - Consumer - Dermal; Long term : 1650 mg/kg/day
 - Consumer - Inhalation; Long term : 52 mg/m³

- PNEC**
- Fresh water; 0.24 mg/l
 - Marine water; 0.024 mg/l
 - Intermittent release; 0.071 mg/l
 - Sediment (Freshwater); 5.45 mg/kg
 - Sediment (Marinewater); 0.545 mg/kg
 - Soil; 0.946 mg/kg
 - STP; 10000 mg/l

COCO AMIDO PROPYL BETAINE

- DNEL**
- Industry - Dermal; Long term systemic effects: 12.5
 - Consumer - Dermal; Long term systemic effects: 7.5 mg/kg/day
 - Industry - Inhalation; Long term systemic effects: 44 mg/m³

- PNEC**
- Fresh water; 0.0135 mg/l
 - STP; 300 mg/l
 - Soil; 0.8 mg/kg
 - Sediment (Marinewater); 0.1 mg/kg
 - Sediment (Freshwater); 1 mg/kg
 - Marine water; 0.00135 mg/l

2,2'-IMINODIETHANOL (CAS: 111-42-2)

- DNEL**
- Workers - Inhalation; Long term local effects: 1.0 mg/m³
 - Workers - Dermal; Long term systemic effects: 0.13 mg/kg/day
 - General population - Inhalation; Long term local effects: 0.25 mg/m³
 - General population - Dermal; Long term systemic effects: 0.07 mg/kg/day
 - General population - Oral; Long term systemic effects: 0.06 mg/kg/day

- PNEC**
- Fresh water; 0.0022 mg/l
 - Marine water; 0.00022 mg/l
 - Intermittent release; 0.022 mg/l
 - STP; 100 mg/l
 - Sediment (Freshwater); 0.012 mg/kg
 - Sediment (Marinewater); 0.0012 mg/kg
 - Soil; 0.0011 mg/kg

GLYCERINE (CAS: 56-81-5)

WASH & WAX

DNEL	Workers - Inhalation; Long term local effects: 56 mg/m ³ General population - Inhalation; Long term local effects: 33 mg/m ³ General population - Oral; Long term systemic effects: 229 mg/kg/day
PNEC	- Fresh water; 0.885 mg/l - Marine water; 0.0885 mg/l - Intermittent release; 8.85 mg/l - STP; 1000 mg/l - Sediment (Freshwater); 3.3 mg/kg - Sediment (Marinewater); 0.33 mg/kg - Soil; 0.141 mg/kg

8.2. Exposure controls

Protective equipment



Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. For exposure up to 4 hours, wear gloves made of the following material: Nitrile rubber. Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC). To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Hygiene measures

Wash hands thoroughly after handling.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Blue.
Odour	Pleasant, agreeable.
pH	pH (concentrated solution): 9.1
Relative density	1.024 @ 25°C
Solubility(ies)	Soluble in water.

9.2. Other information

Other information	Not determined.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

WASH & WAX

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances:
Carbon dioxide (CO₂). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation Upper respiratory irritation.

Ingestion Gastrointestinal symptoms, including upset stomach.

Skin contact Product has a defatting effect on skin. May cause an allergic skin reaction.

Eye contact Causes serious eye damage.

Toxicological information on ingredients.

Alcohols, C12-C14 (even numbered), ethoxylated, sulphates, sodium salts

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,001.0

Species Rat

Notes (oral LD₅₀)

ATE oral (mg/kg) 2,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,001.0

Species Rat

ATE dermal (mg/kg) 2,001.0

COCO AMIDO PROPYL BETAINE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species Rat

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ESTERS OF MONTANWAX ACIDS

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 2,001.0

Species Rat

ATE oral (mg/kg) 2,001.0

Acute toxicity - dermal

ATE dermal (mg/kg)

SODIUM CHLORIDE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 3,000.0

Species Rat

ATE oral (mg/kg) 3,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 10,000.0

Species Rabbit

ATE dermal (mg/kg) 10,000.0

Acute toxicity - inhalation

Acute toxicity inhalation
(LC₅₀ dust/mist mg/l) 42.0

Species Rat

ATE inhalation
(dusts/mists mg/l) 42.0

2,2'-IMINODIETHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 1,600.0

Species Rat

ATE oral (mg/kg) 1,600.0

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro : Negative.

GLYCERINE

Acute toxicity - oral

WASH & WAX

Acute toxicity oral (LD₅₀
mg/kg) 2,001.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 1,000.0

Species Rabbit

DIETHYL PHTHALATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 9,000.0

Species Rat

ATE oral (mg/kg) 9,000.0

BENZYL ALCOHOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 1,620.0

Species Rat

ATE oral (mg/kg) 1,620.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 5,000.1

Species Guinea pig

ATE dermal (mg/kg) 5,000.1

Acute toxicity - inhalation

Acute toxicity inhalation
(LC₅₀ gases ppmV) 8,800.0

Species Rat

ATE inhalation (gases
ppm) 8,800.0

BRILLIANT BLUE R

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 5,000.0

Species Rat

AMYL SALICYLATE

Acute toxicity - oral

WASH & WAX

ATE oral (mg/kg) 500.0

PHENETHYL ACETATE**Acute toxicity - oral**

Acute toxicity oral (LD₅₀
mg/kg) 5,200.0

Species Rat

ATE oral (mg/kg) 5,200.0

N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE**Acute toxicity - oral**

ATE oral (mg/kg) 100.0

1,2-BENZISOTHIAZOL-3(2H)-ONE**Acute toxicity - oral**

ATE oral (mg/kg) 500.0

ISOEUGENOL**Acute toxicity - oral**

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

CITRAL**Acute toxicity - oral**

Acute toxicity oral (LD₅₀
mg/kg) 4,960.0

Species Rat

ATE oral (mg/kg) 4,960.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 2,250.0

Species Rabbit

ATE dermal (mg/kg) 2,250.0

Acute toxicity - inhalation

Acute toxicity inhalation
(LC₅₀ vapours mg/l) 680.0

Species Rat

ATE inhalation (vapours
mg/l) 680.0

10-UNDECENAL

WASH & WAXAcute toxicity - oral

Acute toxicity oral (LD₅₀ 4,230.0
mg/kg)

Species Rat

ATE oral (mg/kg) 4,230.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 5,000.0
mg/kg)

Species Rat

ATE dermal (mg/kg) 5,000.0

2-METHYL UNDECANALAcute toxicity - oral

Acute toxicity oral (LD₅₀ 5,000.0
mg/kg)

Species Rat

ATE oral (mg/kg) 5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 8,280.0
mg/kg)

Species Rabbit

ATE dermal (mg/kg) 8,280.0

TERPINOLENEAcute toxicity - oral

Acute toxicity oral (LD₅₀ 4,390.0
mg/kg)

Species Rat

ATE oral (mg/kg) 4,390.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 4,300.0
mg/kg)

Species Rabbit

ATE dermal (mg/kg) 4,300.0

SECTION 12: Ecological Information

Ecotoxicity Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Acute toxicity - fish Not determined.

Ecological information on ingredients.

WASH & WAX

Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)

Acute toxicity - aquatic invertebrates	EC ₅₀ , : 3.2 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , : 3.9 mg/l,
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.07 mg/l, Daphnia magna

Alcohols, C12-C14 (even numbered), ethoxylated, sulphates, sodium salts

Acute toxicity - fish	LC ₅₀ , 96 hours, 96 hours: 7.1 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 7.4 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours, 72 hours: 27 mg/l, Scenedesmus subspicatus

COCO AMIDO PROPYL BETAINE

Acute toxicity - fish	LC ₅₀ , 96 hours, 96 hours: 1.11 mg/l, Pimephales promelas (Fat-head Minnow) LC ₅₀ , 96 hours, 96 hours: 1.1 mg/l, Cyprinodon variegatus (Sheepshead minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours, 48 hours: 1.9 mg/l, Freshwater invertebrates EC ₅₀ , : 0.3 mg/l, Freshwater invertebrates EC ₅₀ , 48 hours: 21.5 mg/l mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 48 hours, 48 hours: 30.0 mg/l, Marinewater algae

ESTERS OF MONTANWAX ACIDS

Acute toxicity - fish	LC ₅₀ , 48 hours, 48 hours: > 500 mg/l, Leuciscus idus (Golden orfe)
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SODIUM CHLORIDE

Acute toxicity - fish	LC ₅₀ , 96 hours, 96 hours: 6750 mg/l,
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours, 48 hours: 2024 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours, 72 hours: 3014 mg/l,

2,2'-IMINODIETHANOL

Acute toxicity - fish	LC ₅₀ , 96 hours, 96 hours: > 100 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours, 48 hours: > 10 - 100 mg/l, Daphnia magna
Chronic toxicity - aquatic invertebrates	NOEC, 21 days, 21 days: 0.78 mg/l, Daphnia magna

GLYCERINE

WASH & WAX

Acute toxicity - fish	LC50, 96 hours, 96 hours: 54000 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , >: > 10000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours, 72 hours: > 2900 mg/l, Freshwater algae
Acute toxicity - microorganisms	EC ₅₀ , >: > 1000 mg/l, Activated sludge

DIETHYL PHTHALATE

Acute toxicity - fish	LC ₅₀ , 96 hours: 17 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 90 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: 30 mg/l, Algae

BRILLIANT BLUE R

Acute toxicity - fish	LC0, 48 hours, 48 hours: 50 mg/l, Onchorhynchus mykiss (Rainbow trout) LC50, 48 hours, 48 hours: 75 mg/l, Onchorhynchus mykiss (Rainbow trout)
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AMYL SALICYLATE

Chronic aquatic toxicity

M factor (Chronic)	1
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N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE

Acute aquatic toxicity

LE(C)₅₀	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10

1,2-BENZISOTHIAZOL-3(2H)-ONE

Acute aquatic toxicity

LE(C)₅₀	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1

2-METHYL-2H-ISOTHIAZOL-3-ONE

Acute aquatic toxicity

LE(C)₅₀	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10

d-LIMONENE

Acute aquatic toxicity

LE(C)₅₀	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1

WASH & WAX**Chronic aquatic toxicity**

M factor (Chronic) 1

2-METHYL UNDECANAL**Chronic aquatic toxicity**

M factor (Chronic) 1

(L) PINENES**Acute aquatic toxicity**LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

M factor (Chronic) 1

TERPINOLENE**Chronic aquatic toxicity**

M factor (Chronic) 1

2,6-DI-TERT-BUTYL-4-METHYLPHENOL**Acute aquatic toxicity**LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

M factor (Chronic) 1

12.2. Persistence and degradability**Persistence and degradability** The product is expected to be biodegradable.**Ecological information on ingredients.****Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)****Persistence and degradability**

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

Biodegradation

- 92.5%: 28 days

Alcohols, C12-C14 (even numbered), ethoxylated, sulphates, sodium salts**Persistence and degradability**

Readily biodegradable

DIETHYL PHTHALATE**Persistence and degradability**

The product is expected to be biodegradable.

WASH & WAX

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Ecological information on ingredients.

Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)

Bioaccumulative potential BCF: 65.36,

Partition coefficient log Pow: 3.75

COCO AMIDO PROPYL BETAINE

Bioaccumulative potential BCF: < 71,

2,2'-IMINODIETHANOL

Bioaccumulative potential The product is not bioaccumulating.

12.4. Mobility in soil

Mobility The product is soluble in water.

Ecological information on ingredients.

Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)

Surface tension 27.7 mN/m @ 20°C

COCO AMIDO PROPYL BETAINE

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

COCO AMIDO PROPYL BETAINE

Results of PBT and vPvB assessment This substance is not identified as a PBT substance.

2,2'-IMINODIETHANOL

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not determined.

Ecological information on ingredients.

COCO AMIDO PROPYL BETAINE

Other adverse effects Harmful to aquatic organisms

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport labels

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation Commission Regulation (EU) No 453/2010 of 20 May 2010.
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

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Revision 2.0

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SDS number 25008

WASH & WAX

Risk phrases in full

R22 Harmful if swallowed.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.

Hazard statements in full

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H373 May cause damage to organs (Blood, Liver, Kidneys) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.