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
Internal identification: M392

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Cleaning agent.
Uses advised against: Use only for intended applications.

1.3. Details of the supplier of the safety data sheet
Supplier: GARDX INTERNATIONAL 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: (24 hrs) +44 (0) 777 8505 330

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards: Not Classified
Health hazards: Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards: Aquatic Chronic 3 - H412

2.2. Label elements
Hazard pictograms

Signal word: Danger
Hazard statements: H315 Causes skin irritation.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements: P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P1280 Wear protective gloves, eye and face protection.
P273 Avoid release to the environment.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/ doctor.
P501 Dispose of contents/ container in accordance with national regulations.
## WASH & WAX

**UFI**

UFI: RN21-908D-S008-Q1CF

**Contains**

SODIUM DODECYL BENZENE SULPHONATE

**Detergent labelling**

5 - < 15% anionic surfactants, < 5% amphoteric surfactants, < 5% non-ionic surfactants, < 5% perfumes, Contains BENZYL ALCOHOL, N-(3-aminopropyl)-N-dodecypropane-1,3-diamine, METHYLISOTHIAZOLINONE, 1,2-BENZOISOTHIAZOL-3(2H)-ONE, METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

### 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

<table>
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<tr>
<th>Component</th>
<th>Percentage</th>
<th>CAS number</th>
<th>EC number</th>
<th>REACH registration number</th>
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<td>Skin Irrit. 2 - H315</td>
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<td>Eye Dam. 1 - H318</td>
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<td>931-329-6</td>
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<td>Aquatic Chronic 2 - H411</td>
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<td>Eye Dam. 1 - H318</td>
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<tr>
<td>Aquatic Chronic 3 - H412</td>
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WASH & WAX

### Glycerol

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<th>EC number: 200-289-5</th>
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**Classification**
Not Classified

### 2,2’-IMINODIETHANOL

<table>
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<th>CAS number: 111-42-2</th>
<th>EC number: 203-868-0</th>
<th>REACH registration number: 01-2119488930-28-xxxx</th>
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</table>

**Classification**
- Acute Tox. 4 - H302
- Skin Irrit. 2 - H315
- Eye Dam. 1 - H318
- STOT RE 2 - H373

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

**General information**
Show this Safety Data Sheet to the medical personnel.

**Inhalation**
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

**Ingestion**
Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.

**Skin contact**
Rinse with water.

**Eye contact**
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Rinse cautiously with water for several minutes. Get medical attention immediately.

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

**Ingestion**
Gastrointestinal symptoms, including upset stomach.

**Skin contact**
Causes skin irritation.

**Eye contact**
Causes serious eye damage.

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

**Notes for the doctor**
Treat symptomatically.

### 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:
- Ammonia or amines.
- Carbon monoxide (CO).
- Carbon dioxide (CO2).
- Nitrous gases (NOx).
- Sulphurous gases (SOx).

#### 5.3. Advice for firefighters
WASH & WAX

Protective actions during firefighting
No specific firefighting precautions known.

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. Do not handle broken packages without protective equipment. 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
Keep out of the reach of children. 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 use in paint spraying equipment. Do not empty into drains. Do not reuse empty containers. 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. Keep out of the reach of children.

Storage class
Chemical 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
Glycerol
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ mist

2,2'-IMINODIETHANOL
Long-term exposure limit (8-hour TWA): WEL 3 ppm 13 mg/m³
WEL = Workplace Exposure Limit

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

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

PNEC
- Fresh water; 0.007 mg/l
- marine water; 0.0007 mg/l
- Intermittent release; 0.0024 mg/l
- STP; 830 mg/l
- Soil; 0.0348 mg/l
- Sediment (Freshwater); 0.195 mg/kg
- Sediment (Marine water); 0.0195 mg/kg

Alcohols, C12-C14 (even numbered), ethoxylated<2.5EO, sulphates, sodium salts (CAS: 68891-38-3)

DNEL
Industry - Dermal; Long term systemic effects: 2750 mg/kg/day
Industry - Inhalation; Long term systemic effects: 175 mg/m³
Consumer - Oral; Long term systemic effects: 15 mg/kg/day
Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 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 (Marine water); 0.545 mg/kg
- Soil; 0.946 mg/kg
- STP; 10000 mg/l

COCO AMIDO PROPYL BETAINE (CAS: 61789-40-0)

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 (Marine water); 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
WASH & WAX

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 (Marine water); 0.0012 mg/kg
- Soil; 0.0011 mg/kg

Glycerol (CAS: 56-81-5)

DNEL

Workers - Inhalation; Long term local effects: 56 mg/m³
General population - Inhalation; Long term local effects: 33 mg/m³
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 (Marine water); 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: Tight-fitting safety glasses. 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. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. 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. When used with mixtures, the protection time of gloves cannot be accurately estimated. It is recommended that gloves are made of the following material: Neoprene. Nitrile rubber. Rubber (natural, latex). 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. Frequent changes are recommended. Protective gloves should have a minimum thickness of 0.15 mm. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application.

Hygiene measures

Wash hands thoroughly after handling.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
WASH & WAX

Appearance
Viscous liquid.

Colour
Blue.

Odour
Pleasant, agreeable.

pH
pH (concentrated solution): 9.1

Relative density
1.02 @ 25°C

Solubility(ies)
Soluble in water.

9.2. Other information
Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity
There are no known reactivity hazards associated with this product.

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

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions
Not determined.

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: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO2). Nitrous gases (NOx). Sulphurous gases (SOx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity - oral
ATE oral (mg/kg) 5,863.36

Ingestion
Gastrointestinal symptoms, including upset stomach.

Skin contact
Viscous liquid. Causes skin irritation.

Eye contact
Causes serious eye damage.

Toxicological information on ingredients.

SODIUM DODECYL BENZENE SULPHONATE

Acute toxicity - oral
Acute toxicity oral (LD₅₀ mg/kg) 650.0
WASH & WAX

Species  
Rat

ATE oral (mg/kg)  
650.0

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

Acute toxicity - oral

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

Species  
Rat

ATE oral (mg/kg)  
5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg)  
2,000.1

Species  
Rat

ATE dermal (mg/kg)  
2,000.1

Alcohols, C12-C14 (even numbered), ethoxylated<2.5EO, sulphates, sodium salts

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg)  
4,100.0

Species  
Rat

Notes (oral LD₅₀)

ATE oral (mg/kg)  
4,100.0

Acute toxicity - dermal

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

Species  
Rat

ATE dermal (mg/kg)  
2,001.0

COCO AMIDO PROPYL BETAINEM

Acute toxicity - oral

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

Species  
Rat

Glycerol

Acute toxicity - oral

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

Species  
Rat

Acute toxicity - dermal
WASH & WAX

Acute toxicity dermal (LD₅₀ mg/kg)
Species Rabbit

Acute toxicity - oral
Acute toxicity oral (LD₅₀ mg/kg)
Species Rat
ATE oral (mg/kg) 500.0

Carcinogenicity
IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

SECTION 12: Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

12.1. Toxicity
Acute aquatic toxicity
Acute toxicity - fish Not determined.

Ecological information on ingredients.

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

Acute aquatic toxicity
Acute toxicity - fish LC₅₀, 96 hours: 2.4 mg/l, Fish
Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 3.2 mg/l, Daphnia magna
Acute toxicity - aquatic plants EC₅₀, 72 hours: 18.6 mg/l, Freshwater algae

Chronic aquatic toxicity
Chronic toxicity - fish early life stage NOEC, 28 days: 0.32 mg/l,
Chronic toxicity - aquatic invertebrates NOEC, 21 days: 0.07 mg/l, Daphnia magna

Alcohols, C12-C14 (even numbered), ethoxylated<2.5EO, sulphates, sodium salts

Acute aquatic toxicity
Acute toxicity - fish LC₅₀, 96 hours: 7.1 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 7.4 mg/l, Daphnia magna
NOEC, 48 hours: 0.27 mg/l, Daphnia magna
Acute toxicity - aquatic plants EC₅₀, 72 hours: 27 mg/l, Scenedesmus subspicatus

COCO AMIDO PROPYL BETAINE
WASH & WAX

**Acute toxicity - fish**
LC₅₀, 96 hours: 1.11 mg/l, Pimephales promelas (Fat-head Minnow)
LC₅₀, 96 hours: 1.1 mg/l, Cyprinodon variegatus (Sheepshead minnow)

**Acute toxicity - aquatic invertebrates**
EC₅₀, 48 hours: 1.9 mg/l, Freshwater invertebrates
EC₅₀, 48 hours: 21.5 mg/l mg/l, Daphnia magna

**Acute toxicity - aquatic plants**
EC₅₀, 48 hours: 30.0 mg/l, Marinewater algae

**Glycerol**

**Acute aquatic toxicity**

**Acute toxicity - fish**
LC₅₀, 96 hours: 54000 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates**
EC₅₀, >: > 10000 mg/l, Daphnia magna

**Acute toxicity - aquatic plants**
EC₅₀, 72 hours: > 2900 mg/l, Freshwater algae

**Acute toxicity - microorganisms**
EC₅₀, >: > 1000 mg/l, Activated sludge

**2,2’-IMINODIETHANOL**

**Acute aquatic toxicity**

**Acute toxicity - fish**
LC₅₀, 96 hours: > 100 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates**
EC₅₀, 48 hours: > 10 - 100 mg/l, Daphnia magna

**Chronic aquatic toxicity**

**Chronic toxicity - aquatic invertebrates**
NOEC, 21 days: 0.78 mg/l, Daphnia magna

12.2. Persistence and degradability
Persistence and degradability  The product is expected to be biodegradable.

12.3. Bioaccumulative potential
Bioaccumulative potential  The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil
Mobility  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.

12.6. Other adverse effects
Other adverse effects  Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
WASH & WAX

Disposal methods
Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

SECTION 14: Transport information

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

Special Provisions note
14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
Transport labels
No transport warning sign required.

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

SECTION 15: Regulatory information

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

UFI
UFI: RN21-908D-S008-Q1CF

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

EU legislation

Guidance
Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SECTION 16: Other information
WASH & WAX

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
GHS: Globally Harmonized System.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
LC₅₀: Lethal Concentration to 50% of a test population.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
vPvB: Very Persistent and Very Bioaccumulative.
EC₅₀: 50% of maximal Effective Concentration.
NOEC: No Observed Effect Concentration.
UN: United Nations.

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
Skin Irrit. = Skin irritation
Eye Dam. = Serious eye damage
Aquatic Chronic = Hazardous to the aquatic environment (chronic)
STOT SE = Specific target organ toxicity-single exposure

Revision comments

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

Revision date
14/03/2019
Revision
2.2
Supersedes date
17/02/2016
SDS number
27112

Hazard statements in full

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H373 May cause damage to organs (Blood, Kidneys, Liver) 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.