SAFETY DATA SHEET
DRYWASH

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

1.1. Product identifier
Product name DRYWASH
Internal identification L6029

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 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 +44 (0) 777 8505 330 (24 hrs).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements
Hazard statements NC Not Classified
Precautionary statements P102 Keep out of reach of children.
Detergent labelling < 5% perfumes, Contains N-(3-aminopropyl)-N-dodecypropane-1,3-diamine, 1,2-BENZOISOTHIAZOL-3(2H)-ONE

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
SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation  Remove person to fresh air and keep comfortable for breathing.
Ingestion  Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if symptoms are severe or persist.
Skin contact  Rinse with water.
Eye contact  Rinse with water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation  Coughing, chest tightness, feeling of chest pressure.
Ingestion  May cause discomfort if swallowed.
Skin contact  Prolonged contact may cause dryness of the skin.
Eye contact  May cause discomfort.

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**
Thermal decomposition or combustion products may include the following substances:
Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO2). Nitrous gases (NOx).

5.3. Advice for firefighters

**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. 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. 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 protective gloves. Avoid contact with skin, eyes and clothing. Do not reuse empty containers. 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**
Keep out of the reach of children. Store at temperatures between 4°C and 40°C.

**Storage class**
Unspecified 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

**Ingredient comments**
No exposure limits known for ingredient(s).

8.2. Exposure controls

**Protective equipment**
DRYWASH

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. 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. When used with mixtures, the protection time of gloves cannot be accurately estimated. For exposure up to 4 hours, wear gloves made of the following material: Rubber (natural, latex). Thickness: 0.48 mm Nitrile rubber. Thickness: 0.28 mm

Hygiene measures
Wash hands thoroughly after handling.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Appearance
Opaque liquid.

Colour
White.

Odour
Pleasant, agreeable.

pH
pH (concentrated solution): 7.00

Relative density
0.997 @ 25°C

Solubility(ies)
Soluble in water.

9.2. Other information
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).
SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation
Coughing, chest tightness, feeling of chest pressure.

Ingestion
May cause discomfort if swallowed.

Skin contact
Prolonged contact may cause dryness of the skin.

Eye contact
May cause discomfort.

Toxicological information on ingredients.

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Acute toxicity - oral

<table>
<thead>
<tr>
<th>Species</th>
<th>LD₅₀ (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rat</td>
<td>261.0</td>
</tr>
</tbody>
</table>

ATE oral (mg/kg)

<table>
<thead>
<tr>
<th>Species</th>
<th>ATE oral (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rat</td>
<td>261.0</td>
</tr>
</tbody>
</table>

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

Acute toxicity - oral

<table>
<thead>
<tr>
<th>Species</th>
<th>ATE oral (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rat</td>
<td>500.0</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

Ecotoxicity
Not regarded as dangerous for the environment.

12.1. Toxicity

Acute aquatic toxicity
Not determined.

Acute toxicity - fish

Ecological information on ingredients.

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Acute aquatic toxicity

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LE(C)₅₀</td>
<td>0.01</td>
</tr>
<tr>
<td>M factor</td>
<td>10</td>
</tr>
</tbody>
</table>

Acute toxicity - fish

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC₅₀, 96</td>
<td>0.68 mg/l, Oncorhynchus mykiss (Rainbow trout)</td>
</tr>
<tr>
<td>LC₅₀, 96</td>
<td>0.45 mg/l, Lepomis macrochirus (Bluegill)</td>
</tr>
</tbody>
</table>

Acute toxicity - aquatic invertebrates

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC₅₀, 48</td>
<td>0.073 mg/l, Daphnia magna</td>
</tr>
<tr>
<td>NOEC, 21</td>
<td>0.024 mg/l, Daphnia magna</td>
</tr>
</tbody>
</table>

Acute toxicity - aquatic plants

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC₅₀, 96</td>
<td>0.054 mg/l, Pseudokirchneriella subcapitata</td>
</tr>
<tr>
<td>NOEC, 72</td>
<td>0.0069 mg/l, Desmodesmus subspicatus</td>
</tr>
</tbody>
</table>

Acute toxicity - microorganisms

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC₅₀, 3</td>
<td>18 mg/l, Activated sludge</td>
</tr>
</tbody>
</table>

Chronic aquatic toxicity

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>M factor</td>
<td>1</td>
</tr>
</tbody>
</table>
DRYWASH

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

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

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 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.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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)

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
DRYWASH

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

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

Abbreviations and acronyms used in the safety data sheet
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
LC₅₀: Lethal Concentration to 50 % of a test population.
NOEC: No Observed Effect Concentration.
vPvB: Very Persistent and Very Bioaccumulative.
PBT: Persistent, Bioaccumulative and Toxic substance.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG: International Maritime Dangerous Goods.

Classification abbreviations and acronyms
Skin Corr. = Skin corrosion
Acute Tox. = Acute toxicity
Eye Dam. = Serious eye damage
STOT RE = Specific target organ toxicity-repeated exposure
Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Skin Irrit. = Skin irritation
Skin Sens. = Skin sensitisation

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

Revision date
12/12/2019
Revision
3.1
Supersedes date
28/10/2016
SDS number
26508
Risk phrases in full
Not classified.

Hazard statements in full
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
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.