

# ITW AAMTech Australia

Chemwatch: 5231-20

Version No: 3.1.1.1 Safety Data Sheet according to WHS and ADG requirements Chemwatch Hazard Alert Code: 2

Issue Date: 24/11/2016 Print Date: 25/11/2016 S.GHS.AUS.EN

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### **Product Identifier**

| Product name                  | ain-X Bathroom Mirror Anti-Fog          |  |
|-------------------------------|---|--|
| Synonyms                      | Product Code: 630034 (355ml)            |  |
| Proper shipping name          | ALCOHOLS, N.O.S. (contains isopropanol) |  |
| Other means of identification | Not Available                           |  |

### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Interior glass antifog treatment.

# Details of the supplier of the safety data sheet

| Registered company<br>name | ITW AAMTech Australia                             |
|----------------------------|---|
| Address                    | 1-9 Nina Link, Dandenong South VIC 3175 Australia |
| Telephone                  | 1800 177 989                                      |
| Fax                        | 1800 308 556                                      |
| Website                    | www.aamtech.com.au                                |
| Email                      | info@aamtech.com.au                               |

# Emergency telephone number

| Association /<br>Organisation     | Not Available  |
|-----------------------------------|----------------|
| Emergency telephone<br>numbers    | 1800 039 008   |
| Other emergency telephone numbers | 0800 2436 2255 |

# **SECTION 2 HAZARDS IDENTIFICATION**

#### Classification of the substance or mixture

# HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

| Poisons Schedule              | Not Applicable   |  |
|-------------------------------|--|--|
| Classification <sup>[1]</sup> | Flammable Liquid Category 3, Eye Irritation Category 2A  |  |
| Legend:                       | 1. Classified by Chemwatch; 2. Classification drawn from HSIS ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI |  |

#### Label elements

GHS label elements



| SIGNAL WORD         | WARNING                        |  |  |
|---------------------|--------------------------------|--|--|
|                     |                                |  |  |
| Hazard statement(s) | Hazard statement(s)            |  |  |
| H226                | Flammable liquid and vapour.   |  |  |
|                     |                                |  |  |
| H319                | Causes serious eye irritation. |  |  |

# Precautionary statement(s) Prevention

| P101 | f medical advice is needed, have product container or label at hand. |  |
|------|--|--|
| P102 | Keep out of reach of children.                                       |  |
| P103 | Read label before use.   |  |
| P210 | Keep away from heat/sparks/open flames/hot surfaces No smoking.      |  |

# Precautionary statement(s) Response

| P370+P378      | In case of fire: Use alcohol resistant foam or normal protein foam for extinction.   |  |
|----------------|--|--|
| 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.  |  |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.                       |  |

## Precautionary statement(s) Storage

| P403+P235 | Store in a well-ventilated place. Keep cool. |
|-----------|--|
|-----------|--|

# Precautionary statement(s) Disposal

P501

Dispose of contents/container in accordance with local regulations.

# SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Substances

See section below for composition of Mixtures

### Mixtures

| CAS No     | %[weight] | Name                                |
|------------|-----------|-------------------------------------|
| 67-63-0    | 7-13      | isopropanol                         |
| 34590-94-8 | 3-7       | dipropylene glycol monomethyl ether |
| 7732-18-5  | >60       | water                               |

### SECTION 4 FIRST AID MEASURES

### Description of first aid measures

| Eye Contact  | <ul> <li>If this product comes in contact with the eyes:</li> <li>Wash out immediately with fresh running water.</li> <li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>Seek medical attention without delay; if pain persists or recurs seek medical attention.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>                               |
|--------------|---|
| Skin Contact | <ul> <li>If skin contact occurs:</li> <li>Immediately remove all contaminated clothing, including footwear.</li> <li>Flush skin and hair with running water (and soap if available).</li> <li>Seek medical attention in event of irritation.</li> </ul>   |
| Inhalation   | <ul> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>   |
| Ingestion    | <ul> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Seek medical advice.</li> </ul> |

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

Treat symptomatically.

### SECTION 5 FIREFIGHTING MEASURES

#### Extinguishing media

- Alcohol stable foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.

# Special hazards arising from the substrate or mixture

| Fire Incompatibility | None known. |
|----------------------|-------------|
|                      |             |

# Advice for firefighters

| Fire Fighting         | <ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>May be violently or explosively reactive.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> </ul>  |
|-----------------------|--|
| Fire/Explosion Hazard | <ul> <li>Liquid and vapour are flammable.</li> <li>Moderate fire hazard when exposed to heat or flame.</li> <li>Vapour may travel a considerable distance to source of ignition.</li> <li>Heating may cause expansion or decomposition leading to violent rupture of containers.</li> </ul> Decomposes on heating and produces toxic fumes of: <ul> <li>carbon dioxide (CO2)</li> <li>other pyrolysis products typical of burning organic material.</li> </ul> |
| HAZCHEM               | •3Y  |

#### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

See section 8

### **Environmental precautions**

See section 12

### Methods and material for containment and cleaning up

| Minor Spills | <ul> <li>Remove all ignition sources.</li> <li>Clean up all spills immediately.</li> <li>Avoid breathing vapours and contact with skin and eyes.</li> <li>Control personal contact with the substance, by using protective equipment.</li> </ul>   |
|--------------|--|
| Major Spills | <ul> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>May be violently or explosively reactive.</li> <li>Wear breathing apparatus plus protective gloves.</li> </ul> |

Personal Protective Equipment advice is contained in Section 8 of the SDS.

### SECTION 7 HANDLING AND STORAGE

#### Precautions for safe handling

| Safe handling     | <ul> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of overexposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Prevent concentration in hollows and sumps.</li> </ul>   |
|-------------------|--|
| Other information | <ul> <li>Store in original containers in approved flame-proof area.</li> <li>No smoking, naked lights, heat or ignition sources.</li> <li>DO NOT store in pits, depressions, basements or areas where vapours may be trapped.</li> <li>Keep containers securely sealed.</li> </ul> |

### Conditions for safe storage, including any incompatibilities

| Suitable container         | <ul> <li>Polyethylene or polypropylene container.</li> <li>Packing as recommended by manufacturer.</li> <li>Check all containers are clearly labelled and free from leaks.</li> </ul> |
|----------------------------|---|
| Storage<br>incompatibility | Avoid contamination with strong oxidising agents as ignition may result   |

### SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Control parameters**

# OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA

| Source                          | Ingredient                             | Material name                       | TWA                    | STEL                    | Peak             | Notes            |
|---------------------------------|--|-------------------------------------|------------------------|-------------------------|------------------|------------------|
| Australia Exposure<br>Standards | isopropanol                            | Isopropyl alcohol                   | 983 mg/m3 /<br>400 ppm | 1230 mg/m3 /<br>500 ppm | Not<br>Available | Not<br>Available |
| Australia Exposure<br>Standards | dipropylene glycol<br>monomethyl ether | (2-Methoxymethylethoxy)<br>propanol | 308 mg/m3 /<br>50 ppm  | Not Available           | Not<br>Available | Sk               |

#### EMERGENCY LIMITS

| Ingredient                             | Material name                   | TEEL-2          | TEEL-3       |  |  |
|--|---------------------------------|-----------------|--------------|--|--|
| isopropanol                            | Isopropyl alcohol               | 400 ppm         | 12000 ppm    |  |  |
| dipropylene glycol<br>monomethyl ether | Dipropylene glycol methyl ether | 150 ppm         | 510 ppm      |  |  |
|  |                                 |                 |              |  |  |
| Ingredient                             | Original IDLH                   | Revised IDLH    | Revised IDLH |  |  |
| isopropanol                            | 12,000 ppm                      | 2,000 [LEL] ppm |              |  |  |
| dipropylene glycol<br>monomethyl ether | Unknown mg/m3 / Unknown ppm     | 600 ppm         |              |  |  |
| water                                  | Not Available                   | Not Available   |              |  |  |

### **Exposure controls**

| Appropriate<br>engineering controls | General exhaust is adequate under normal operating conditions.   |
|-------------------------------------|--|
| Personal protection                 |  |
| Eye and face<br>protection          | <ul> <li>No special equipment for minor exposure i.e. when handling small quantities.</li> <li>OTHERWISE:</li> <li>Safety glasses with side shields.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.</li> </ul> |
| Skin protection                     | See Hand protection below  |
| Hands/feet protection               | <ul> <li>Wear chemical protective gloves, e.g. PVC.</li> <li>Wear safety footwear or safety gumboots, e.g. Rubber</li> </ul>   |
| Body protection                     | See Other protection below   |
| Other protection                    | <ul> <li>Overalls.</li> <li>P.V.C. apron.</li> <li>Barrier cream.</li> </ul>   |
| Thermal hazards                     | Not Available  |

#### **Respiratory protection**

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

# SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| Appearance                                      | Clear colourless liquid with alcohol odour; mixes with water. |  |                |  |  |
|---|---|--|----------------|--|--|
|   |   |  |                |  |  |
| Physical state                                  | Liquid  | Relative density<br>(Water = 1)            | 0.99           |  |  |
| Odour   | Not Available   | Partition coefficient<br>n-octanol / water | Not Available  |  |  |
| Odour threshold                                 | Not Available   | Auto-ignition<br>temperature (°C)          | Not Available  |  |  |
| pH (as supplied)                                | 6.0   | Decomposition<br>temperature               | Not Available  |  |  |
| Melting point /<br>freezing point (°C)          | Not Available   | Viscosity (cSt)                            | Not Available  |  |  |
| Initial boiling point<br>and boiling range (°C) | Not Available   | Molecular weight<br>(g/mol)                | Not Applicable |  |  |
| Flash point (°C)                                | 35 Setaflash CC   | Taste                                      | Not Available  |  |  |
| Evaporation rate                                | Not Available   | Explosive properties                       | Not Available  |  |  |
| Flammability                                    | Flammable.  | Oxidising properties                       | Not Available  |  |  |
| Upper Explosive Limit<br>(%)                    | Not Available   | Surface Tension<br>(dyn/cm or mN/m)        | Not Available  |  |  |
| Lower Explosive Limit<br>(%)                    | Not Available   | Volatile Component<br>(%vol)               | Not Available  |  |  |
| Vapour pressure (kPa)                           | Not Available   | Gas group                                  | Not Available  |  |  |
| Solubility in water<br>(g/L)                    | Miscible  | pH as a solution (1%)                      | Not Available  |  |  |
| Vapour density (Air =<br>1)                     | Not Available   | VOC g/L                                    | 15%            |  |  |

# SECTION 10 STABILITY AND REACTIVITY

| Reactivity                             | See section 7  |
|--|--|
| Chemical stability                     | <ul> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul> |
| Possibility of<br>hazardous reactions  | See section 7  |
| Conditions to avoid                    | See section 7  |
| Incompatible materials                 | See section 7  |
| Hazardous<br>decomposition<br>products | See section 5  |

# SECTION 11 TOXICOLOGICAL INFORMATION

# Information on toxicological effects

| Inhaled         | Acute effects from inhalation of high vapour concentrations may be chest and nasal irritation with coughing, sneezing, headache and even nausea.   |   |  |  |  |
|-----------------|--|---|--|--|--|
| Ingestion       | Ingestion may result in nausea, abdominal irritation, pa   | Ingestion may result in nausea, abdominal irritation, pain and vomiting |  |  |  |
| Skin Contact    | There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons.<br>The material may accentuate any pre-existing skin condition   |   |  |  |  |
| Eye             | This material can cause eye irritation and damage in some persons.   |   |  |  |  |
| Chronic         | Long-term exposure to the product is not thought to produce chronic effects adverse to the health (as classified by EC Directives using animal models); nevertheless exposure by all routes should be minimised as a matter of course. |   |  |  |  |
| Rain-X Bathroom | ΤΟΧΙΟΙΤΥ   | IRRITATION  |  |  |  |
| Mirror Anti-Fog | Not Available  | Not Available   |  |  |  |
| isopropanol     | тохісіту   | IRRITATION  |  |  |  |
|                 | Dermal (rabbit) LD50: 12792 mg/kg <sup>[1]</sup>   | Eye (rabbit): 10 mg - moderate  |  |  |  |
|                 |  |   |  |  |  |

|  | Inhalation (rat) LC50: 72.6 mg/L/4hr <sup>[2]</sup>   | Eye (rabbit): 100 mg - SEVERE     |  |
|--|---|-----------------------------------|--|
|  | Oral (rat) LD50: 5000 mg/kg <sup>[2]</sup>  | Eye (rabbit): 100mg/24hr-moderate |  |
|  |   | Skin (rabbit): 500 mg - mild      |  |
|  | тохісіту  | IRRITATION                        |  |
|  | dermal (rat) LD50: >19000 mg/kg <sup>[1]</sup>  | Eye (human): 8 mg - mild          |  |
| dipropylene glycol<br>monomethyl ether | Oral (rat) LD50: 5130 mg/kg <sup>[1]</sup>  | Eye (rabbit): 500 mg/24hr - mild  |  |
| monometryrether                        |   | Skin (rabbit): 238 mg - mild      |  |
|  |   | Skin (rabbit): 500 mg (open)-mild |  |
|  | тохісіту  | IRRITATION                        |  |
| water                                  | Oral (rat) LD50: >90000 mg/kg <sup>[2]</sup> Not Available  |                                   |  |
| Legend:                                | <ol> <li>Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS.<br/>Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances</li> </ol> |                                   |  |

| ISOPROPANOL  | Isopropanol is irritating to the eyes, nose and throat but generally not to the skin. Prolonged high dose exposure may also produce depression of the central nervous system and drowsiness. Few have reported skin irritation. It can be absorbed from the skin or when inhaled.<br>The substance is classified by IARC as Group 3:<br><b>NOT</b> classifiable as to its carcinogenicity to humans.   |                                       |  |  |  |  |  |  |
|--|--|---------------------------------------|--|--|--|--|--|--|
| DIPROPYLENE<br>GLYCOL<br>MONOMETHYL ETHER                  | Evidence of carcinogenicity may be inadequate or limited in animal testing.<br>Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a<br>non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high<br>levels of highly irritating compound. Key criteria for the diagnosis of RADS include the absence of preceding respiratory<br>disease, in a non-atopic individual, with abrupt onset of persistent asthma-like symptoms within minutes to hours of a<br>documented exposure to the irritant. A reversible airflow pattern, on spirometry, with the presence of moderate to severe<br>bronchial hyperreactivity on methacholine challenge testing and the lack of minimal lymphocytic inflammation, without<br>eosinophilia, have also been included in the criteria for diagnosis of RADS.<br>for propylene glycol ethers (PGEs):<br>Typical propylene glycol ethers include propylene glycol n-butyl ether (PnB); dipropylene glycol n-butyl ether (DPnB);<br>dipropylene glycol methyl ether acetate (DPMA); tripropylene glycol methyl ether (TPM).<br>Testing of a wide variety of propylene glycol ethers Testing of a wide variety of propylene glycol ethers has shown that<br>propylene glycol-based ethers are less toxic than some ethers of the ethylene series. The common toxicities associated with<br>the lower molecular weight homologues of the ethylene series, such as adverse effects on reproductive organs, the<br>developing embryo and fetus, blood (haemolytic effects), or thymus, are not seen with the commercial-grade propylene<br>glycol ethers. In the ethylene series, metabolism of the terminal hydroxyl group produces an alkoxyacetic acid.<br>The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to<br>irritants may produce conjunctivitis. |                                       |  |  |  |  |  |  |
| WATER  | No significant acute toxicological data identified in literature search.   |                                       |  |  |  |  |  |  |
| ISOPROPANOL &<br>DIPROPYLENE<br>GLYCOL<br>MONOMETHYL ETHER | The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.   |                                       |  |  |  |  |  |  |
| Acute Toxicity   | 0  | Carcinogenicity                       | 0  |  |  |  |  |  |
| Skin<br>Irritation/Corrosion                               | 0  | Reproductivity                        | 0  |  |  |  |  |  |
| Serious Eye<br>Damage/Irritation                           | *  | STOT - Single<br>Exposure             | 0  |  |  |  |  |  |
| Respiratory or Skin sensitisation                          | 0  | STOT - Repeated                       |  |  |  |  |  |  |
| Mutagenicity   | $\odot$  | Aspiration Hazard                     | 0  |  |  |  |  |  |
| mutagemeity  | ~  | Legend: X – Data ava<br>✓ – Data requ | ilable but does not fill the criteria for classification<br>uired to make classification available |  |  |  |  |  |

🚫 – Data Not Available to make classification

### SECTION 12 ECOLOGICAL INFORMATION

| Toxicity   |          |                    |         |       |        |
|------------|----------|--------------------|---------|-------|--------|
| Ingredient | Endpoint | Test Duration (hr) | Species | Value | Source |
|            |          |                    |         |       |        |

| isopropanol                            | LC50              | 96  | Fish                          | 183.844mg/L  | 3 |
|--|-------------------|---|-------------------------------|--------------|---|
| isopropanol                            | EC50              | 48  | Crustacea                     | 12500mg/L    | 5 |
| isopropanol                            | EC50              | 96  | Algae or other aquatic plants | 993.232mg/L  | 3 |
| isopropanol                            | EC50              | 384   | Crustacea                     | 42.389mg/L   | 3 |
| isopropanol                            | NOEC              | 5760  | Fish                          | 0.02mg/L     | 4 |
| dipropylene glycol<br>monomethyl ether | LC50              | 96  | Fish                          | 1307.253mg/L | 3 |
| dipropylene glycol<br>monomethyl ether | EC50              | 48  | Crustacea                     | 1930mg/L     | 2 |
| dipropylene glycol<br>monomethyl ether | EC50              | 72  | Algae or other aquatic plants | >969mg/L     | 2 |
| dipropylene glycol<br>monomethyl ether | EC50              | 384   | Crustacea                     | 297.071mg/L  | 3 |
| dipropylene glycol<br>monomethyl ether | NOEC              | 72  | Algae or other aquatic plants | 969mg/L      | 2 |
| Legend:                                | 3. EPIWIN Suite V | Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor |                               |              |   |

# Data

# DO NOT discharge into sewer or waterways.

# Persistence and degradability

| Ingredient                             | Persistence: Water/Soil   | Persistence: Air         |
|--|---------------------------|--------------------------|
| isopropanol                            | LOW (Half-life = 14 days) | LOW (Half-life = 3 days) |
| dipropylene glycol<br>monomethyl ether | нідн                      | HIGH                     |
| water                                  | LOW                       | LOW                      |

### **Bioaccumulative potential**

| Ingredient                             | Bioaccumulation      |
|--|----------------------|
| isopropanol                            | LOW (LogKOW = 0.05)  |
| dipropylene glycol<br>monomethyl ether | LOW (BCF = 100)      |
| water                                  | LOW (LogKOW = -1.38) |

# Mobility in soil

| Ingredient                             | Mobility          |
|--|-------------------|
| isopropanol                            | HIGH (KOC = 1.06) |
| dipropylene glycol<br>monomethyl ether | LOW (KOC = 10)    |
| water                                  | LOW (KOC = 14.3)  |

# SECTION 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

| Product / Packaging | <ul> <li>Recycle wherever possible or consult manufacturer for recycling options.</li> <li>Consult State Land Waste Management Authority for disposal.</li> </ul> |
|---------------------|---|
| disposal            | ▶ Bury residue in an authorised landfill.   |
|                     | Recycle containers if possible, or dispose of in an authorised landfill.  |
|                     | <ul> <li>Recycle containers if possible, or dispose of in an authorised landfill.</li> </ul>  |

# **SECTION 14 TRANSPORT INFORMATION**

Labels Required

| Marine Pollutant | NO  |
|------------------|-----|
| HAZCHEM          | •3Y |

# Land transport (ADG)

| 1 4 7                           |  |  |  |
|---------------------------------|--|--|--|
| UN number                       | 1987   |  |  |
| UN proper shipping<br>name      | ALCOHOLS, N.O.S. (contains isopropanol)      |  |  |
| Transport hazard<br>class(es)   | Class 3<br>Subrisk Not Applicable            |  |  |
| Packing group                   | Ш  |  |  |
| Environmental hazard            | Not Applicable                               |  |  |
| Special precautions<br>for user | Special provisions223 274Limited quantity5 L |  |  |

# Air transport (ICAO-IATA / DGR)

| UN number                       | 1987  |               |  |
|---------------------------------|---|---------------|--|
| UN proper shipping<br>name      | Alcohols, n.o.s. * (contains isopropanol)                   |               |  |
| Transport hazard<br>class(es)   | ICAO/IATA Class3ICAO / IATA SubriskNot ApplicableERG Code3L |               |  |
| Packing group                   | Ш   |               |  |
| Environmental hazard            | Not Applicable  |               |  |
|                                 | Special provisions<br>Cargo Only Packing Instructions       | A3A180<br>366 |  |
|                                 | Cargo Only Maximum Qty / Pack                               | 220 L         |  |
| Special precautions<br>for user | Passenger and Cargo Packing Instructions                    | 355           |  |
|                                 | Passenger and Cargo Maximum Qty / Pack                      | 60 L          |  |
|                                 | Passenger and Cargo Limited Quantity Packing Instructions   | Y344          |  |
|                                 | Passenger and Cargo Limited Maximum Qty / Pack              | 10 L          |  |

# Sea transport (IMDG-Code / GGVSee)

| UN number                       | 1987   |  |  |
|---------------------------------|--|--|--|
| UN proper shipping<br>name      | ALCOHOLS, N.O.S. (contains isopropanol)                          |  |  |
| Transport hazard<br>class(es)   | IMDG Class     3       IMDG Subrisk     Not Applicable           |  |  |
| Packing group                   | III  |  |  |
| Environmental hazard            | Not Applicable   |  |  |
| Special precautions<br>for user | EMS NumberF-E, S-DSpecial provisions223 274Limited Quantities5 L |  |  |

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

#### SECTION 15 REGULATORY INFORMATION

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

#### ISOPROPANOL(67-63-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

| Australia Exposure Standards   | Australia Inventory of Chemical Substances (AICS)   |  |
|--|---|--|
| Australia Hazardous Substances Information System - Consolidated Lists | International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs |  |

#### DIPROPYLENE GLYCOL MONOMETHYL ETHER(34590-94-8) IS FOUND ON THE FOLLOWING REGULATORY LISTS

| Australia Exposure Standards   | Australia Inventory of Chemical Substances (AICS) |
|--|---|
| Australia Hazardous Substances Information System - Consolidated Lists |   |

#### WATER(7732-18-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

| National Inventory               | Status  |
|----------------------------------|---|
| Australia - AICS                 | Y   |
| Canada - DSL                     | Y   |
| Canada - NDSL                    | N (water; dipropylene glycol monomethyl ether; isopropanol)   |
| China - IECSC                    | Y   |
| Europe - EINEC /<br>ELINCS / NLP | Y   |
| Japan - ENCS                     | N (water)   |
| Korea - KECI                     | Y   |
| New Zealand - NZIoC              | Y   |
| Philippines - PICCS              | Y   |
| USA - TSCA                       | Y   |
| Legend:                          | Y = All ingredients are on the inventory<br>N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients<br>in brackets) |

#### **SECTION 16 OTHER INFORMATION**

#### Other information

#### Ingredients with multiple cas numbers

| Name                                   | CAS No   |
|--|--|
| dipropylene glycol<br>monomethyl ether | 34590-94-8, 12002-25-4, 112388-78-0, 104512-57-4, 83730-60-3, 112-28-7, 13429-07-7, 20324-32-7, 13588-28-8, 55956-21-3 |

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:

www.chemwatch.net

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

This document is copyright.

Apart from any fair dealing for the purposes of private study, research, review or criticism, as permitted under the Copyright Act, no part may be reproduced by any process without written permission from CHEMWATCH. TEL (+61 3) 9572 4700.