

Wynn's Radiator Flush (R)

ITW Polymers & Fluids

Chemwatch Hazard Alert Code: 1

Chemwatch: 45194

Issue Date: 01/11/2019

Version No: 9.1.6.7

Print Date: 17/06/2021

Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements

S.GHS.AUS.EN

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

Product Identifier

| | |
|-------------------------------|---------------------------|
| Product name | Wynn's Radiator Flush (R) |
| Chemical Name | Not Applicable |
| Synonyms | Product Code: 65332 |
| Chemical formula | Not Applicable |
| Other means of identification | Not Available |

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

| | |
|--------------------------|--------------------------|
| Relevant identified uses | Radiator flushing agent. |
|--------------------------|--------------------------|

Details of the supplier of the safety data sheet

| | |
|-------------------------|--|
| Registered company name | ITW Polymers & Fluids |
| Address | 1-9 Nina Link, Dandenong South VIC 3175 Australia |
| Telephone | 02 9757 8800 |
| Fax | Not Available |
| Website | www.itwaamtech.com.au |
| Email | Not Available |

Emergency telephone number

| Association / Organisation | Chemwatch | CHEMWATCH EMERGENCY RESPONSE |
|-----------------------------------|---------------|------------------------------|
| Emergency telephone numbers | 1800 039 008 | +61 2 9186 1132 |
| Other emergency telephone numbers | Not Available | +61 1800 951 288 |

Once connected and if the message is not in your preferred language then please dial 01


SECTION 2 Hazards identification

Classification of the substance or mixture

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

| | |
|--------------------|---|
| Poisons Schedule | S5 |
| Classification [1] | Eye Irritation Category 2B, Reproductive Toxicity Category 1B, Skin Corrosion/Irritation Category 2 |
| Legend: | 1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI |

Label elements

| | |
|---------------------|---|
| Hazard pictogram(s) |  |
| Signal word | Danger |

Hazard statement(s)

| | |
|------|------------------------|
| H320 | Causes eye irritation. |
|------|------------------------|

| | |
|---------------|--|
| H360FD | May damage fertility. May damage the unborn child. |
| H315 | Causes skin irritation. |

Precautionary statement(s) General

| | |
|-------------|---|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P103 | Read carefully and follow all instructions. |

Precautionary statement(s) Prevention

| | |
|-------------|---|
| P201 | Obtain special instructions before use. |
| P280 | Wear protective gloves and protective clothing. |
| P264 | Wash all exposed external body areas thoroughly after handling. |

Precautionary statement(s) Response

| | |
|-----------------------|--|
| P308+P313 | IF exposed or concerned: Get medical advice/ attention. |
| 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. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |

Precautionary statement(s) Storage

| | |
|-------------|------------------|
| P405 | Store locked up. |
|-------------|------------------|

Precautionary statement(s) Disposal

| | |
|-------------|--|
| P501 | Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation. |
|-------------|--|

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

| CAS No | %[weight] | Name |
|---------------|-----------|-----------------------------------|
| 7632-00-0 | <1 | <u>sodium nitrite</u> |
| 1303-96-4 | <1 | <u>sodium borate, decahydrate</u> |
| 7631-95-0 | <1 | <u>sodium molybdate</u> |
| Not Available | <1 | other non-hazardous ingredients |
| 7732-18-5 | >60 | <u>water</u> |

Legend: 1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. Classification drawn from C&L; * EU IOELVs available

SECTION 4 First aid measures

Description of first aid measures

| | |
|---------------------|---|
| Eye Contact | <p>If this product comes in contact with the eyes:</p> <ul style="list-style-type: none"> ▶ Wash out immediately with fresh running water. ▶ 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. ▶ Seek medical attention without delay; if pain persists or recurs seek medical attention. ▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |
| Skin Contact | <p>If skin contact occurs:</p> <ul style="list-style-type: none"> ▶ Immediately remove all contaminated clothing, including footwear. ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in event of irritation. |
| Inhalation | <ul style="list-style-type: none"> ▶ If fumes or combustion products are inhaled remove from contaminated area. ▶ Lay patient down. Keep warm and rested. ▶ Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. ▶ Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. ▶ Transport to hospital, or doctor. |

| | |
|------------------|--|
| Ingestion | <ul style="list-style-type: none"> ▶ For advice, contact a Poisons Information Centre or a doctor at once. ▶ Urgent hospital treatment is likely to be needed. ▶ If swallowed do NOT induce vomiting. ▶ If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. ▶ Observe the patient carefully. ▶ Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. ▶ Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. ▶ Transport to hospital or doctor without delay. |
|------------------|--|

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 Firefighting measures

Extinguishing media

- ▶ There is no restriction on the type of extinguisher which may be used.

Special hazards arising from the substrate or mixture

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

Advice for firefighters

| | |
|------------------------------|---|
| Fire Fighting | <ul style="list-style-type: none"> ▶ Alert Fire Brigade and tell them location and nature of hazard. ▶ Wear breathing apparatus plus protective gloves in the event of a fire. ▶ Prevent, by any means available, spillage from entering drains or water courses. ▶ Use fire fighting procedures suitable for surrounding area. |
| Fire/Explosion Hazard | <ul style="list-style-type: none"> ▶ Non combustible. ▶ Not considered to be a significant fire risk. ▶ Expansion or decomposition on heating may lead to violent rupture of containers. ▶ Decomposes on heating and may produce toxic fumes of carbon monoxide (CO). |
| HAZCHEM | Not Applicable |

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 style="list-style-type: none"> ▶ Clean up all spills immediately. ▶ Avoid breathing vapours and contact with skin and eyes. ▶ Control personal contact with the substance, by using protective equipment. ▶ Contain and absorb spill with sand, earth, inert material or vermiculite. |
| Major Spills | <p>Minor hazard.</p> <ul style="list-style-type: none"> ▶ Clear area of personnel. ▶ Alert Fire Brigade and tell them location and nature of hazard. ▶ Control personal contact with the substance, by using protective equipment as required. |

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

SECTION 7 Handling and storage

Precautions for safe handling

| | |
|--------------------------|---|
| Safe handling | <ul style="list-style-type: none"> ▶ Limit all unnecessary personal contact. ▶ Wear protective clothing when risk of exposure occurs. ▶ Use in a well-ventilated area. ▶ When handling DO NOT eat, drink or smoke. |
| Other information | <ul style="list-style-type: none"> ▶ Store in original containers. ▶ Keep containers securely sealed. ▶ Store in a cool, dry, well ventilated area. ▶ DO NOT allow to freeze. |

Conditions for safe storage, including any incompatibilities

| | |
|--------------------------------|--|
| Suitable container | <ul style="list-style-type: none"> ▶ Lined metal can, lined metal pail/ can. ▶ Plastic pail. ▶ Polyliner drum. ▶ Packing as recommended by manufacturer. |
| Storage incompatibility | Segregate from strong acids |

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

| Source | Ingredient | Material name | TWA | STEL | Peak | Notes |
|------------------------------|----------------------------|---|---------------------|---------------|---------------|---------------|
| Australia Exposure Standards | sodium borate, decahydrate | Borates, tetra, sodium salts (anhydrous) | 1 mg/m ³ | Not Available | Not Available | Not Available |
| Australia Exposure Standards | sodium borate, decahydrate | Borates, tetra, sodium salts (pentahydrate) | 1 mg/m ³ | Not Available | Not Available | Not Available |
| Australia Exposure Standards | sodium borate, decahydrate | Borates, tetra, sodium salts (decahydrate) | 5 mg/m ³ | Not Available | Not Available | Not Available |
| Australia Exposure Standards | sodium molybdate | Molybdenum, soluble compounds (as Mo) | 5 mg/m ³ | Not Available | Not Available | Not Available |

Emergency Limits


| Ingredient | TEEL-1 | TEEL-2 | TEEL-3 |
|----------------------------|-----------------------|-----------------------|-------------------------|
| sodium nitrite | 6.4 mg/m ³ | 71 mg/m ³ | 240 mg/m ³ |
| sodium borate, decahydrate | 6 mg/m ³ | 190 mg/m ³ | 1,100 mg/m ³ |
| sodium borate, decahydrate | 6 mg/m ³ | 88 mg/m ³ | 530 mg/m ³ |
| sodium molybdate | 3.8 mg/m ³ | 34 mg/m ³ | 210 mg/m ³ |
| sodium molybdate | 3.2 mg/m ³ | 17 mg/m ³ | 100 mg/m ³ |

| Ingredient | Original IDLH | Revised IDLH |
|----------------------------|-------------------------|---------------|
| sodium nitrite | Not Available | Not Available |
| sodium borate, decahydrate | Not Available | Not Available |
| sodium molybdate | 1,000 mg/m ³ | Not Available |
| water | Not Available | Not Available |

Occupational Exposure Banding

| Ingredient | Occupational Exposure Band Rating | Occupational Exposure Band Limit |
|----------------|---|----------------------------------|
| sodium nitrite | E | ≤ 0.01 mg/m ³ |
| Notes: | <i>Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.</i> | |

Exposure controls

| | |
|---|--|
| Appropriate engineering controls | None under normal operating conditions. Provide adequate ventilation in warehouse or closed storage areas. |
| Personal protection |  |
| Eye and face protection | No special equipment for minor exposure i.e. when handling small quantities. OTHERWISE: <ul style="list-style-type: none"> ▶ Safety glasses with side shields. ▶ 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. |
| Skin protection | See Hand protection below |
| Hands/feet protection | No special equipment needed when handling small quantities. OTHERWISE: Wear chemical protective gloves, e.g. PVC. |
| Body protection | See Other protection below |
| Other protection | No special equipment needed when handling small quantities <ul style="list-style-type: none"> ▶ Overalls. ▶ Eyewash unit. |

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

| | | | |
|---|---|--|----------------|
| Appearance | Clear blue-green alkaline liquid; mixes with water. | | |
| Physical state | Liquid | Relative density (Water = 1) | 1.00 |
| Odour | Not Available | Partition coefficient n-octanol / water | Not Available |
| Odour threshold | Not Available | Auto-ignition temperature (°C) | Not Applicable |
| pH (as supplied) | 11.0 | Decomposition temperature | Not Available |
| Melting point / freezing point (°C) | Not Available | Viscosity (cSt) | Not Available |
| Initial boiling point and boiling range (°C) | 100 | Molecular weight (g/mol) | Not Applicable |
| Flash point (°C) | Not Applicable | Taste | Not Available |
| Evaporation rate | Not Available | Explosive properties | Not Available |
| Flammability | Not Applicable | Oxidising properties | Not Available |
| Upper Explosive Limit (%) | Not Applicable | Surface Tension (dyn/cm or mN/m) | Not Available |
| Lower Explosive Limit (%) | Not Applicable | Volatile Component (%vol) | Not Available |
| Vapour pressure (kPa) | Not Available | Gas group | Not Available |
| Solubility in water | Miscible | pH as a solution (%) | 9.6 (3%) |
| Vapour density (Air = 1) | Not Available | VOC g/L | Not Available |

SECTION 10 Stability and reactivity

| | |
|---|---|
| Reactivity | See section 7 |
| Chemical stability | Product is considered stable and hazardous polymerisation will not occur. |
| Possibility of hazardous reactions | See section 7 |
| Conditions to avoid | See section 7 |
| Incompatible materials | See section 7 |
| Hazardous decomposition products | See section 5 |

SECTION 11 Toxicological information

Information on toxicological effects

| | |
|---------------------|--|
| Inhaled | Not normally a hazard due to non-volatile nature of product |
| Ingestion | Ingestion may result in nausea, abdominal irritation, pain and vomiting |
| Skin Contact | 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. |
| Eye | The liquid may produce eye discomfort causing temporary smarting and blinking. |
| Chronic | Prolonged or continuous skin contact with the liquid may cause defatting with drying, cracking, irritation and dermatitis following. |

| | | |
|-----------------------------------|--|--|
| Wynn's Radiator Flush (R) | TOXICITY | IRRITATION |
| | Not Available | Not Available |
| sodium nitrite | TOXICITY | IRRITATION |
| | Inhalation(Rat) LC50; 0.006 mg/L4h ^[2] Oral(Rat) LD50; 85 mg/kg ^[2] | Eye (rabbit): 500 mg/24hr - mild |
| sodium borate, decahydrate | TOXICITY | IRRITATION |
| | Dermal (rabbit) LD50: >10000 mg/kg ^[2] Oral(Mouse) LD50; 2000 mg/kg ^[2] | Eye: adverse effect observed (irritating) ^[1] Skin: no adverse effect observed (not irritating) ^[1] |

| | | |
|-------------------------|---|-------------------|
| sodium molybdate | TOXICITY | IRRITATION |
| | dermal (rat) LD50: >2000 mg/kg ^[1] | Not Available |
| | Inhalation(Rat) LC50; >1.93 mg/l4h ^[1] | |
| | Oral(Rat) LD50; >2000 mg/kg ^[1] | |
| water | TOXICITY | IRRITATION |
| | Oral(Rat) LD50; >90000 mg/kg ^[2] | Not Available |
| Legend: | 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. * Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances | |

| | |
|--|---|
| Wynn's Radiator Flush (R) | Oral (unspecified) LDLo: >5000 mg/kg (estimated)[Wynn's] |
| SODIUM NITRITE | Tumorigenic - Carcinogenic by RTECS criteria. Laboratory (in vitro) and animal studies show, exposure to the material may result in a possible risk of irreversible effects, with the possibility of producing mutation. The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. |
| SODIUM BORATE, DECAHYDRATE | Oral (rat) LD50: 4500-5000 mg/kg Eyes (rabbit) (-) Mild [Orica BORAX-Europe] Reproductive effector in rats Mutagenic towards bacteria |
| WATER | No significant acute toxicological data identified in literature search. |
| SODIUM BORATE, DECAHYDRATE & SODIUM MOLYBDATE | Asthma-like symptoms may continue for months or even years after exposure to the material ends. This may be due to a non-allergic condition known as reactive airways dysfunction syndrome (RADS) which can occur after exposure to high levels of highly irritating compound. Main criteria for diagnosing RADS include the absence of previous airways disease in a non-atopic individual, with sudden onset of persistent asthma-like symptoms within minutes to hours of a documented exposure to the irritant. Other criteria for diagnosis of RADS include a reversible airflow pattern on lung function tests, moderate to severe bronchial hyperreactivity on methacholine challenge testing, and the lack of minimal lymphocytic inflammation, without eosinophilia. |

| | | | |
|--|---|---------------------------------|---|
| Acute Toxicity | ✗ | Carcinogenicity | ✗ |
| Skin Irritation/Corrosion | ✓ | Reproductivity | ✓ |
| Serious Eye Damage/Irritation | ✓ | STOT - Single Exposure | ✗ |
| Respiratory or Skin sensitisation | ✗ | STOT - Repeated Exposure | ✗ |
| Mutagenicity | ✗ | Aspiration Hazard | ✗ |

Legend: ✗ – Data either not available or does not fill the criteria for classification
 ✓ – Data available to make classification

SECTION 12 Ecological information

Toxicity

| | Endpoint | Test Duration (hr) | Species | Value | Source |
|-----------------------------------|----------------------------------|---------------------------|-------------------------------|-----------------|---------------|
| | Wynn's Radiator Flush (R) | Not Available | Not Available | Not Available | Not Available |
| sodium nitrite | Endpoint | Test Duration (hr) | Species | Value | Source |
| | NOEC(ECx) | 2h | Fish | 0.02mg/l | 4 |
| | EC50 | 72h | Algae or other aquatic plants | >100mg/l | 2 |
| | LC50 | 96h | Fish | 0.54-26.3mg/l | 2 |
| sodium borate, decahydrate | Endpoint | Test Duration (hr) | Species | Value | Source |
| | EC50 | 48h | Crustacea | 1332-2135mg/l | 4 |
| sodium molybdate | Endpoint | Test Duration (hr) | Species | Value | Source |
| | NOEC(ECx) | 672h | Crustacea | 0.67mg/l | 2 |
| | EC50 | 72h | Algae or other aquatic plants | 26mg/l | 2 |
| | LC50 | 96h | Fish | 211mg/l | 2 |
| | EC50 | 48h | Crustacea | 34.13-46.87mg/l | 4 |

| water | Endpoint | Test Duration (hr) | Species | Value | Source |
|-------|---------------|--------------------|---------------|---------------|---------------|
| | Not Available | Not Available | Not Available | Not Available | Not Available |

Legend: Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - 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 |
|------------------|-------------------------|------------------|
| sodium nitrite | LOW | LOW |
| sodium molybdate | HIGH | HIGH |
| water | LOW | LOW |

Bioaccumulative potential

| Ingredient | Bioaccumulation |
|------------------|-----------------------|
| sodium nitrite | LOW (LogKOW = 0.0564) |
| sodium molybdate | LOW (LogKOW = 2.229) |

Mobility in soil

| Ingredient | Mobility |
|------------------|-------------------|
| sodium nitrite | LOW (KOC = 23.74) |
| sodium molybdate | LOW (KOC = 48.64) |

SECTION 13 Disposal considerations

Waste treatment methods

| Product / Packaging disposal | |
|------------------------------|---|
| | <ul style="list-style-type: none"> ▸ Recycle wherever possible or consult manufacturer for recycling options. ▸ Consult State Land Waste Management Authority for disposal. ▸ Treat and neutralise with dilute acid at an effluent treatment plant. ▸ Recycle containers, otherwise dispose of in an authorised landfill. |

SECTION 14 Transport information

Labels Required

| | |
|------------------|----------------|
| Marine Pollutant | NO |
| HAZCHEM | Not Applicable |

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

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

Not Applicable

Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

| Product name | Group |
|----------------------------|---------------|
| sodium nitrite | Not Available |
| sodium borate, decahydrate | Not Available |
| sodium molybdate | Not Available |
| water | Not Available |

Transport in bulk in accordance with the ICG Code

| Product name | Ship Type |
|----------------|---------------|
| sodium nitrite | Not Available |

| Product name | Ship Type |
|----------------------------|---------------|
| sodium borate, decahydrate | Not Available |
| sodium molybdate | Not Available |
| water | Not Available |

SECTION 15 Regulatory information

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

sodium nitrite is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 2

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 6

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 7

Australian Inventory of Industrial Chemicals (AIIC)

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 2A: Probably carcinogenic to humans

sodium borate, decahydrate is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 4

Australian Inventory of Industrial Chemicals (AIIC)

Chemical Footprint Project - Chemicals of High Concern List

sodium molybdate is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC)

water is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC)

National Inventory Status

| National Inventory | Status |
|---|---|
| Australia - AIIC / Australia Non-Industrial Use | Yes |
| Canada - DSL | Yes |
| Canada - NDSL | No (sodium nitrite; sodium borate, decahydrate; sodium molybdate; water) |
| China - IECSC | Yes |
| Europe - EINEC / ELINCS / NLP | Yes |
| Japan - ENCS | Yes |
| Korea - KECI | Yes |
| New Zealand - NZIoC | Yes |
| Philippines - PICCS | Yes |
| USA - TSCA | Yes |
| Taiwan - TCSI | Yes |
| Mexico - INSQ | Yes |
| Vietnam - NCI | Yes |
| Russia - FBEPH | Yes |
| Legend: | Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing (see specific ingredients in brackets) |

SECTION 16 Other information

| | |
|----------------------|------------|
| Revision Date | 01/11/2019 |
| Initial Date | 20/03/2002 |

SDS Version Summary

| Version | Date of Update | Sections Updated |
|---------|----------------|--|
| 8.1.1.1 | 29/03/2017 | Supplier Information, Name |
| 9.1.1.1 | 01/11/2019 | One-off system update. NOTE: This may or may not change the GHS classification |

| Version | Date of Update | Sections Updated |
|---------|----------------|-------------------|
| 9.1.2.1 | 26/04/2021 | Regulation Change |
| 9.1.3.1 | 03/05/2021 | Regulation Change |
| 9.1.4.1 | 06/05/2021 | Regulation Change |
| 9.1.5.1 | 10/05/2021 | Regulation Change |
| 9.1.5.2 | 30/05/2021 | Template Change |
| 9.1.5.3 | 04/06/2021 | Template Change |
| 9.1.5.4 | 05/06/2021 | Template Change |
| 9.1.6.4 | 07/06/2021 | Regulation Change |
| 9.1.6.5 | 09/06/2021 | Template Change |
| 9.1.6.6 | 11/06/2021 | Template Change |
| 9.1.6.7 | 15/06/2021 | Template Change |

Other information

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.

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.

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