

Apollo Scientific

Part Number: **OR315500** Version No: **1.1** Safety Data Sheet (Conforms to Annex II of REACH (1907/2006) - Regulation 2020/878) Chemwatch Hazard Alert Code: 2

Issue Date: **12/03/2023** Print Date: **03/08/2023** S.REACH.GBR.EN

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

1.1. Product Identifier

| Product name | Tetrahydro-3-furanylmethyl bromide |
|----------------------------------|------------------------------------|
| Chemical Name | 3-(Bromomethyl)tetrahydrofuran |
| Synonyms | Not Available |
| Chemical formula | Not Available |
| Other means of identification | Not Available |
| CAS number | 165253-29-2* |

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

| Relevant identified uses | Use according to manufacturer's directions. | |
|--------------------------|--|--|
| Uses advised against | No specific uses advised against are identified. | |

1.3. Details of the manufacturer or supplier of the safety data sheet

| Registered company name | Apollo Scientific |
|-------------------------|---|
| Address | Whitefield Road, Bredbury SK62QR United Kingdom |
| Telephone | 01614060505 |
| Fax | 0161 406 0506 |
| Website | http://www.apolloscientific.co.uk/ |
| Email | sales@apolloscientific.co.uk |

1.4. Emergency telephone number

| Association / Organisation | Not Available |
|-----------------------------------|---------------|
| Emergency telephone numbers | Not Available |
| Other emergency telephone numbers | Not Available |

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

| Classification according to regulation (EC) No 1272/2008 [CLP] and amendments ^[1] | H302 - Acute Toxicity (Oral) Category 4, H319 - Serious Eye Damage/Eye Irritation Category 2 |
|---|--|
| Legend: | 1. Classified by Chemwatch: 2. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI |

2.2. Label elements

Hazard statement(s)

| H302 | Harmful if swallowed. |
|------|--------------------------------|
| H319 | Causes serious eye irritation. |

Supplementary statement(s)

Not Applicable

Precautionary statement(s) Prevention

| P264 | Wash all exposed external body areas thoroughly after handling. | |
|------|--|--|
| P270 | Do not eat, drink or smoke when using this product. | |
| P280 | Wear protective gloves, protective clothing, eye protection and face protection. | |

Precautionary statement(s) Response

| 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. | | | |
| P301+P312 | IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider if you feel unwell. | | | |
| P330 | P330 Rinse mouth. | | | |

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

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

2.3. Other hazards

REACH - Art.57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.

SECTION 3 Composition / information on ingredients

3.1.Substances

| 1. CAS No 2.EC No 3.Index No 4.REACH No | %[weight] | Name | Classification according to regulation (EC) No 1272/2008 [CLP] and amendments | SCL / M-Factor | Nanoform Particle Characteristics |
|--|-----------|---|---|-------------------|--------------------------------------|
| Not Available | 100 | Tetrahydro- 3-furanylmethyl bromide | Not Applicable | Not Applicable | Not Available |

Legend: 1. Classified by Chemwatch; 2. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 3. Classification drawn from C&L; * EU IOELVs available; [e] Substance identified as having endocrine disrupting properties

3.2.Mixtures

See 'Information on ingredients' in section 3.1

SECTION 4 First aid measures

4.1. Description of first aid measures

| _ | - |
|-----|---------|
| Eye | Contact |

If this product comes in contact with eyes: • Wash out immediately with water.

| | If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |
|--------------|--|
| Skin Contact | If skin or hair contact occurs: Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation. |
| Inhalation | If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary. |
| Ingestion | Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor. |

4.2 Most important symptoms and effects, both acute and delayed

See Section 11

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

Treat symptomatically.

SECTION 5 Firefighting measures

5.1. Extinguishing media

- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.
- Water spray or fog Large fires only.

5.2. Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

5.3. Advice for firefighters

| Fire Fighting | Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area. Avoid spraying water onto liquid pools. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. |
|-----------------------|---|
| Fire/Explosion Hazard | Combustible. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit irritating/ toxic fumes. May emit acrid smoke. Mists containing combustible materials may be explosive. |

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8

6.2. Environmental precautions

See section 12

6.3. Methods and material for containment and cleaning up

| Minor Spills | Remove all ignition sources. 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. Wipe up. Place in a suitable, labelled container for waste disposal. |
|--------------|--|
| | Place in a suitable, labelled container for waste disposal. |

| Major Spills | Moderate hazard. Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. No smoking, naked lights or ignition sources. Increase ventilation. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Absorb remaining product with sand, earth or vermiculite. Collect solid residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains. If contamination of drains or waterways occurs, advise emergency services. |
|--------------|---|
|--------------|---|

6.4. Reference to other sections

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

SECTION 7 Handling and storage

7.1. Precautions for safe handling

| | - |
|----------------------------------|--|
| Safe handling | Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. Avoid smoking, naked lights or ignition sources. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions. |
| Fire and explosion protection | See section 5 |
| Other information | Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS. |

7.2. Conditions for safe storage, including any incompatibilities

| Suitable container | Metal can or drum Packaging as recommended by manufacturer. Check all containers are clearly labelled and free from leaks. |
|---|--|
| Storage incompatibility | Avoid contamination of water, foodstuffs, feed or seed. None known Store at 2-8°C |
| Hazard categories in accordance with Regulation (EC) No 1272/2008 | Not Available |
| Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of | Not Available |

SECTION 8 Exposure controls / personal protection

8.1. Control parameters

| Ingredient | DNELs Exposure Pattern Worker | PNECs Compartment |
|---------------|----------------------------------|----------------------|
| Not Available | Not Available | Not Available |

* Values for General Population

Occupational Exposure Limits (OEL)

INGREDIENT DATA

| Source | Ingredient | Material name | TWA | STEL | Peak | Notes |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Not Available |

Not Applicable

Emergency Limits

| Ingredient | TEEL-1 | TEEL-2 | | TEEL-3 |
|---------------------------------------|---------------|---------------|---------------|---------------|
| Tetrahydro-3-furanylmethyl bromide | Not Available | Not Available | | Not Available |
| Ingredient | Original IDLH | | Revised IDLH | |
| Tetrahydro-3-furanylmethyl bromide | Not Available | | Not Available | |

8.2. Exposure controls

| | engineering controls can be highly effective in protecting wo provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activ Enclosure and/or isolation of emission source which keeps a that strategically "adds" and "removes" air in the work enviro designed properly. The design of a ventilation system must n Employers may need to use multiple types of controls to pre General exhaust is adequate under normal operating conditi Correct fit is essential to obtain adequate protection. Provide contaminants generated in the workplace possess varying "o | ity or process is done to reduce the risk. a selected hazard "physically" away from the pomment. Ventilation can remove or dilute an ai match the particular process and chemical or vent employee overexposure. ions. If risk of overexposure exists, wear SAA a adequate ventilation in warehouse or closed | worker and ventilation r contaminant if contaminant in use. approved respirator. I storage areas. Air |
|-------------|---|--|---|
| | fresh circulating air required to effectively remove the contar | • | |
| | Type of Contaminant: | | Air Speed: |
| | solvent, vapours, degreasing etc., evaporating from tank (i | 0.25-0.5 m/s (50-100 f/min) | |
| Appropriate | aerosols, fumes from pouring operations, intermittent cont welding, spray drift, plating acid fumes, pickling (released generation) | 0.5-1 m/s (100-200 f/min.) | |
| | direct spray, spray painting in shallow booths, drum filling, discharge (active generation into zone of rapid air motion) | 1-2.5 m/s (200-500 f/min) | |
| | grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion). | | 2.5-10 m/s (500-2000 f/min.) |
| | Within each range the appropriate value depends on: | | |
| | Lower end of the range | Upper end of the range | |
| | 1: Room air currents minimal or favourable to capture | 1: Disturbing room air currents | |
| | 2: Contaminants of low toxicity or of nuisance value only | 2: Contaminants of high toxicity | |
| | 3: Intermittent, low production. | 3: High production, heavy use | |
| | 4: Large hood or large air mass in motion | 4: Small hood - local control only | |
| | Simple theory shows that air velocity falls rapidly with distan generally decreases with the square of distance from the ex extraction point should be adjusted, accordingly, after refere | traction point (in simple cases). Therefore the | air speed at the |

| | extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min.) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used. | |
|---|---|--|
| 8.2.2. Individual protection measures, such as personal protective equipment | | |
| Eye and face protection | Safety glasses with side shields Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent] 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. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59]. | |
| Skin protection | See Hand protection below | |
| Hands/feet protection | | |
| Body protostion | non-perfumed moisturiser is recommended. | |
| Body protection Other protection | See Other protection below No special equipment needed when handling small quantities. OTHERWISE: Overalls. Barrier cream. Eyewash unit. | |

8.2.3. Environmental exposure controls

See section 12

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Appearance | Not Available | | |
|---|---------------|--|---------------|
| | | | |
| Physical state | Liquid | Relative density (Water = 1) | Not Available |
| Odour | Not Available | Partition coefficient n-octanol / water | Not Available |
| Odour threshold | Not Available | Auto-ignition temperature (°C) | Not Available |
| pH (as supplied) | Not Available | Decomposition temperature (°C) | Not Available |
| Melting point / freezing point (°C) | Not Available | Viscosity (cSt) | Not Available |
| Initial boiling point and boiling range (°C) | Not Available | Molecular weight (g/mol) | Not Available |
| Flash point (°C) | 75 | Taste | Not Available |
| Evaporation rate | Not Available | Explosive properties | Not Available |
| Flammability | Combustible. | Oxidising properties | Not Available |
| Upper Explosive Limit (%) | Not Available | Surface Tension (dyn/cm or mN/m) | Not Available |
| Lower Explosive Limit (%) | Not Available | Volatile Component (%vol) | Not Available |
| Vapour pressure (kPa) | Not Available | Gas group | Not Available |
| Solubility in water | Not Available | pH as a solution (1%) | Not Available |
| Vapour density (Air = 1) | 1.495 | VOC g/L | Not Available |
| Nanoform Solubility | Not Available | Nanoform Particle Characteristics | Not Available |
| Particle Size | Not Available | | |

9.2. Other information

Not Available

SECTION 10 Stability and reactivity

| 10.1.Reactivity | See section 7.2 |
|---|---|
| 10.2. Chemical stability | Product is considered stable and hazardous polymerisation will not occur. |
| 10.3. Possibility of hazardous reactions | See section 7.2 |
| 10.4. Conditions to avoid | See section 7.2 |
| 10.5. Incompatible materials | See section 7.2 |
| 10.6. Hazardous decomposition products | See section 5.3 |

SECTION 11 Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Information on toxicological effects

| Inhaled | The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. |
|--------------|---|
| Ingestion | The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. |
| Skin Contact | The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. |
| Eye | Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn). |

Continued...

| Chronic | Long-term exposure to the product is not thought using animal models); nevertheless exposure by a | • | |
|---|---|-------------------------------------|------------------------|
| Tetrahydro-3-furanylmethyl bromide | TOXICITY Not Available | IRRITATION Not Available | |
| Legend: | Not Available Not Ava | | |
| | Unless otherwise specified data extracted from R | RIECS - Register of Toxic Effect of | of chemical Substances |
| Acute Toxicity | · · · · · · · · · · · · · · · · · · · | - | |
| Acute Toxicity Skin Irritation/Corrosion | Vniess otherwise specified data extracted from R | Carcinogenicity Reproductivity | × × |
| | ✓ | Carcinogenicity | × |
| Skin Irritation/Corrosion Serious Eye | ✓ × | Carcinogenicity Reproductivity | × × |

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

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties

No evidence of endocrine disrupting properties were found in the current literature.

11.2.2. Other information

See Section 11.1

SECTION 12 Ecological information

12.1. Toxicity

| Tetralia das O forman das ettad | Endpoint | Test Duration (hr) | Species | Value | Source |
|---------------------------------------|--|--------------------|---------------|------------------|------------------|
| Tetrahydro-3-furanylmethyl bromide | 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 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 | | | | |

12.2. Persistence and degradability

| Ingredient | Persistence: Water/Soil | Persistence: Air | |
|------------|---------------------------------------|---------------------------------------|--|
| | No Data available for all ingredients | No Data available for all ingredients | |

12.3. Bioaccumulative potential

| Ingredient | Bioaccumulation |
|------------|---------------------------------------|
| | No Data available for all ingredients |

12.4. Mobility in soil

| Ingredient | Mobility |
|------------|---------------------------------------|
| | No Data available for all ingredients |

12.5. Results of PBT and vPvB assessment

| | Р | В | т |
|-------------------------|---------------|---------------|---------------|
| Relevant available data | Not Available | Not Available | Not Available |
| PBT | × | × | × |
| vPvB | × | × | × |

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No

Tetrahydro-3-furanylmethyl bromide

vPvB

12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties were found in the current literature.

12.7. Other adverse effects

No evidence of ozone depleting properties were found in the current literature.

SECTION 13 Disposal considerations

13.1. Waste treatment methods

| Product / Packaging disposal | Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked. A Hierarchy of Controls seems to be common - the user should investigate: Reduction Reuse Recycling Disposal (if all else fails) This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate. D ONOT allow wash water from cleaning or process equipment to enter drains. It may be necessary to collect all wash water for treatment before disposal. In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority. Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Management Authority for disposal. Bury residue in an authorised landfill. Recycle containers if possible, or dispose of in an authorised landfill. |
|---------------------------------|---|
| Waste treatment options | Not Available |
| Sewage disposal options | Not Available |

SECTION 14 Transport information

Labels Required

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

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

| 14.1. UN number or ID number | Not Applicable | | | |
|-------------------------------|---------------------|----------------|---------------------|--|
| 14.2. UN proper shipping name | Not Applicable | Not Applicable | | |
| 14.3. Transport hazard | Class | Not Applicab | le | |
| class(es) | Subsidiary risk | Not Applicab | le | |
| 14.4. Packing group | Not Applicable | Not Applicable | | |
| 14.5. Environmental hazard | Not Applicable | | | |
| | Hazard identifica | tion (Kemler) | Not Applicable | |
| | Classification code | | Not Applicable | |
| 14.6. Special precautions | Hazard Label | | Not Applicable | |
| for user | Special provision | าร | Not Applicable | |
| | | | Net An all solution | |
| | Limited quantity | | Not Applicable | |

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

| 14.1. UN number | Not Applicable | | | |
|---------------------------------------|---|--------------------------------|----------------|--|
| 14.2. UN proper shipping name | Not Applicable | | | |
| | ICAO/IATA Class | ICAO/IATA Class Not Applicable | | |
| 14.3. Transport hazard class(es) | ICAO / IATA Subrisk | Not Applicable | | |
| () | ERG Code | Not Applicable | | |
| 14.4. Packing group | Not Applicable | | | |
| 14.5. Environmental hazard | Not Applicable | | | |
| | Special provisions | | Not Applicable | |
| | Cargo Only Packing Ir | nstructions | Not Applicable | |
| | Cargo Only Maximum | Qty / Pack | Not Applicable | |
| 14.6. Special precautions for user | Passenger and Cargo | Packing Instructions | Not Applicable | |
| | Passenger and Cargo Maximum Qty / Pack | | Not Applicable | |
| | Passenger and Cargo Limited Quantity Packing Instructions | | Not Applicable | |
| | Passenger and Cargo Limited Maximum Qty / Pack | | Not Applicable | |

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

| 14.1. UN number | Not Applicable | | | | |
|---------------------------------------|--------------------|----------------|--|--|--|
| 14.2. UN proper shipping name | Not Applicable | | | | |
| 14.3. Transport hazard | IMDG Class | Not Applicable | | | |
| class(es) | IMDG Subrisk | Not Applicable | | | |
| 14.4. Packing group | Not Applicable | Not Applicable | | | |
| 14.5. Environmental hazard | Not Applicable | | | | |
| | EMS Number | Not Applicable | | | |
| 14.6. Special precautions for user | Special provisions | Not Applicable | | | |
| | Limited Quantities | Not Applicable | | | |

Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

| 14.1. UN number | Not Applicable | | |
|------------------------------------|-------------------------------|----------------|--|
| 14.2. UN proper shipping name | Not Applicable | | |
| 14.3. Transport hazard class(es) | Not Applicable Not Applicable | | |
| 14.4. Packing group | Not Applicable | | |
| 14.5. Environmental hazard | Not Applicable | | |
| 14.6. Special precautions for user | Classification code | Not Applicable | |
| | Special provisions | Not Applicable | |
| | Limited quantity | Not Applicable | |
| | Equipment required | Not Applicable | |
| | Fire cones number | Not Applicable | |

14.7. Maritime transport in bulk according to IMO instruments

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

Not Applicable

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

| Product name | Group | | |
|---|-----------|--|--|
| | | | |
| 14.7.3. Transport in bulk in accordance with the IGC Code | | | |
| Product name | Ship Type | | |
| | | | |
| SECTION 15 Regulatory information | | | |

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

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : Directives 98/24/EC, - 92/85/EEC, - 94/33/EC, - 2008/98/EC, - 2010/75/EU; Commission Regulation (EU) 2020/878; Regulation (EC) No 1272/2008 as updated through ATPs.

Information according to 2012/18/EU (Seveso III):

Seveso Category Not Available

15.2. Chemical safety assessment

For further information please look at the Chemical Safety Assessment and Exposure Scenarios prepared by your Supply Chain if available.

ECHA SUMMARY

Not Applicable

National Inventory Status

| National Inventory | Status | |
|--|--|--|
| Australia - AIIC / Australia Non-Industrial Use | Not Available | |
| Canada - DSL | Not Available | |
| Canada - NDSL | Not Available | |
| China - IECSC | Not Available | |
| Europe - EINEC / ELINCS / NLP | Not Available | |
| Japan - ENCS | Not Available | |
| Korea - KECI | Not Available | |
| New Zealand - NZIoC | Not Available | |
| Philippines - PICCS | Not Available | |
| USA - TSCA | Not Available | |
| Taiwan - TCSI | Not Available | |
| Mexico - INSQ | Not Available | |
| Vietnam - NCI | Not Available | |
| Russia - FBEPH | Not Available | |
| Legend: | Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration. | |

SECTION 16 Other information

| Revision Date | 12/03/2023 |
|---------------|------------|
| Initial Date | 23/02/2023 |

Full text Risk and Hazard codes

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.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 166 Personal eye-protection

EN 340 Protective clothing

EN 374 Protective gloves against chemicals and micro-organisms

EN 13832 Footwear protecting against chemicals

EN 133 Respiratory protective devices

Definitions and abbreviations

PC - TWA: Permissible Concentration-Time Weighted Average PC - STEL: Permissible Concentration-Short Term Exposure Limit IARC: International Agency for Research on Cancer ACGIH: American Conference of Governmental Industrial Hygienists STEL: Short Term Exposure Limit TEEL: Temporary Emergency Exposure Limit. IDLH: Immediately Dangerous to Life or Health Concentrations ES: Exposure Standard OSF: Odour Safety Factor NOAEL :No Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level TLV: Threshold Limit Value LOD: Limit Of Detection OTV: Odour Threshold Value **BCF: BioConcentration Factors BEI: Biological Exposure Index** AIIC: Australian Inventory of Industrial Chemicals DSI · Domestic Substances List NDSL: Non-Domestic Substances List IECSC: Inventory of Existing Chemical Substance in China EINECS: European INventory of Existing Commercial chemical Substances ELINCS: European List of Notified Chemical Substances NLP: No-Longer Polymers ENCS: Existing and New Chemical Substances Inventory KECI: Korea Existing Chemicals Inventory NZIoC: New Zealand Inventory of Chemicals PICCS: Philippine Inventory of Chemicals and Chemical Substances TSCA: Toxic Substances Control Act TCSI: Taiwan Chemical Substance Inventory INSQ: Inventario Nacional de Sustancias Químicas NCI: National Chemical Inventory FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

| Classification according to regulation (EC) No 1272/2008 [CLP] and amendments | Classification Procedure |
|--|--------------------------|
| Acute Toxicity (Oral) Category 4, H302 | Expert judgement |
| Serious Eye Damage/Eye Irritation Category 2, H319 | Expert judgement |

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