Rowe Scientific ammonium acetate solid ROWE SCIENTIFIC

Chemwatch: 5152-76 Version No: 6.1

Safety Data Sheet according to Work Health and Safety Regulations (Hazardous Chemicals) 2023 and ADG requirements

Chemwatch Hazard Alert Code: 2

Issue Date: **14/10/2024** Print Date: **14/10/2024** L.GHS.AUS.EN.E

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

| D | r۸ | dı | ıct | ы | ۵n | tifi | ۵r |
|---|----|----|-----|----|-----|------|-----|
| г | ıv | uι | au. | ıu | CII | un | CI. |

| Product name | Rowe Scientific ammonium acetate solid | |
|-------------------------------|--|--|
| Chemical Name | ammonium acetate | |
| Synonyms | CA0024; CA0037 | |
| 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 | Reagent in analytical chemistry. Use according to manufacturer's directions. |
|--------------------------|--|
|--------------------------|--|

Details of the manufacturer or supplier of the safety data sheet

| Registered company name | ROWE SCIENTIFIC | |
|-------------------------|--|--|
| Address | 11 Challenge Boulevard Wangara WA 6065 Australia | |
| Telephone | +61 8 9302 1911 | |
| Fax | +61 8 9302 1905 | |
| Website | https://rowe.com.au/ | |
| Email | rowewa@rowe.com.au | |

Emergency telephone number

| Association / Organisation | ROWE SCIENTIFIC |
|-----------------------------------|--------------------------|
| Emergency telephone numbers | +61 8 9302 1911 (24 Hrs) |
| Other emergency telephone numbers | Not Available |

SECTION 2 Hazards identification

Classification of the substance or mixture

| Poisons Schedule Not Applicable | |
|---|---|
| Classification [1] Serious Eye Damage/Eye Irritation Category 2B, Specific Target Organ Toxicity - Repeated Exposure 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 | Warning |
|-------------|---------|
|-------------|---------|

Hazard statement(s)

| • • • | |
|-------|--|
| H320 | Causes eye irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

Precautionary statement(s) Prevention

| P260 | Do not breathe dust/fume. | |
|------|---|--|
| P264 | Wash all exposed external body areas thoroughly after handling. | |

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. | |
|----------------|--|--|
| P314 | Get medical advice/attention if you feel unwell. | |
| P337+P313 | If eye irritation persists: Get medical advice/attention. | |

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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.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

| CAS No | %[weight] Name | |
|----------|---|------------------|
| 631-61-8 | 100 | ammonium acetate |
| 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 | If this product comes in contact with the eyes: 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 | If skin contact occurs: ▶ 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 | 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, without delay. |
| Ingestion | 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. Seek medical advice. |

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.
 Use extinguishing media suitable for surrounding area.

Special hazards arising from the substrate or mixture

| Fire Incompatibility | None known. | | |
|---|--|--|--|
| Advice for firefighters | | | |
| Fire Fighting | 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. 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. Equipment should be thoroughly decontaminated after use. | | |
| Fire/Explosion Hazard Fire/Explosion Hazard Fire/Explosion Hazard Fire/Explosion Hazard Fire/Explosion Hazard Possible in Not considered a significant fire risk, however containers may burn. Decomposition may produce toxic fumes of: carbon dioxide (CO2) nitrogen oxides (NOx) | | | |
| HAZCHEM | Not Applicable | | |

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

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Environmental precautions

See section 12

Methods and material for containment and cleaning up

| Minor Spills | Remove all ignition sources. Clean up all spills immediately. Avoid contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Use dry clean up procedures and avoid generating dust. Place in a suitable, labelled container for waste disposal. | | | |
|--------------|---|--|--|--|
| Major Spills | Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Control personal contact with the substance, by using protective equipment and dust respirator. Prevent spillage from entering drains, sewers or water courses. Recover product wherever possible. Avoid generating dust. Sweep / shovel up. If required, wet with water to prevent dusting. Put residues in labelled plastic bags or other containers for disposal. Wash area down with large quantity of water and prevent runoff into drains. If contamination of drains or waterways occurs, advise emergency services. | | | |

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

SECTION 7 Handling and storage

| Precautions for safe handling | |
|-------------------------------|---|
| Safe handling | 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. Always wash hands with soap and water after handling. Avoid physical damage to containers. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. |
| Other information | Store in original containers. Keep containers securely sealed. 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. |

Conditions for safe storage, including any incompatibilities

| Suitable container Polyethylene or polypropylene container. Check all containers are clearly labelled and free from leaks. | | |
|---|------------------------------|--|
| Storage incompatibility | Avoid storage with oxidisers | |

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Not Available

| Ingredient | Original IDLH | Revised IDLH |
|------------------|---------------|---------------|
| ammonium acetate | Not Available | Not Available |

Occupational Exposure Banding

| Ingredient | Occupational Exposure Band Rating | Occupational Exposure Band Limit | |
|------------------|--|----------------------------------|--|
| ammonium acetate | E ≤ 0.01 mg/m³ | | |
| Notes: | 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. | | |

MATERIAL DATA

| Exposure controls | | | | |
|---|---|--|--|--|
| Appropriate engineering controls | General exhaust is adequate under normal operating conditions. | | | |
| 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 | | | |

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| | irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness o irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Curren Intelligence Bulletin 59]. | |
|-----------------------|--|--|
| Skin protection | See Hand protection below | |
| Hands/feet protection | Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber | |
| Body protection | See Other protection below | |
| Other protection | Overalls. Eyewash unit. | |

Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the *computer-generated* selection:

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| Material | СРІ |
|------------------|-----|
| NATURAL RUBBER | Α |
| NATURAL+NEOPRENE | Α |
| NITRILE | Α |

- * CPI Chemwatch Performance Index
- A: Best Selection
- B: Satisfactory; may degrade after 4 hours continuous immersion
- C: Poor to Dangerous Choice for other than short term immersion

NOTE: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation.
* Where the glove is to be used on a short term, casual or infrequent basis, factors

* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

Ansell Glove Selection

| Glove — In order of recommendation |
|------------------------------------|
| AlphaTec® 15-554 |
| AlphaTec® Solvex® 37-185 |
| AlphaTec® 38-612 |
| MICROFLEX® 93-843 |
| TouchNTuff® 93-700 |
| AlphaTec® 58-008 |
| AlphaTec® 58-530B |
| AlphaTec® 58-530W |
| AlphaTec® 58-735 |
| AlphaTec® 79-700 |

The suggested gloves for use should be confirmed with the glove supplier.

Respiratory protection

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

| Required Minimum Protection Factor | Half-Face Respirator | Full-Face Respirator | Powered Air Respirator |
|---------------------------------------|-------------------------|-------------------------|---------------------------|
| up to 10 x ES | P1 Air-line* | | PAPR-P1 - |
| up to 50 x ES | Air-line** | P2 | PAPR-P2 |
| up to 100 x ES | - | P3 | - |
| | | Air-line* | - |
| 100+ x ES | - | Air-line** | PAPR-P3 |

* - Negative pressure demand ** - Continuous flow A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

| Appearance | Colourless to white, deliquescent crystalline solid with weak acetic acid odour. Very soluble in cold water, but decomposes in hot water. Will lose low levels of ammonia on standing, especially under alkaline conditions. | | | |
|---|--|---|----------------|--|
| Physical state | Divided Solid Relative density (Water = 1) 1.17 @ 20 C | | 1.17 @ 20 C | |
| Odour | Not Available | Partition coefficient n-octanol / water | Not Available | |
| Odour threshold | Not Available | Auto-ignition temperature (°C) | Not Applicable | |
| pH (as supplied) | Not Applicable | Decomposition temperature (°C) | >114 | |
| Melting point / freezing point (°C) | 114 | Viscosity (cSt) | Not Applicable | |
| Initial boiling point and boiling range (°C) | decomposes | Molecular weight (g/mol) | 77.08 | |
| 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 Applicable | |
| 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 (1%) | 6.0-7.5 (5%) | |

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| Vapour density (Air = 1) | Not Applicable | VOC g/L | Not Applicable |
|---|----------------|--|----------------|
| Heat of Combustion (kJ/g) | Not Available | Ignition Distance (cm) | Not Available |
| Flame Height (cm) | Not Available | Flame Duration (s) | Not Available |
| Enclosed Space Ignition Time Equivalent (s/m3) | Not Available | Enclosed Space Ignition Deflagration Density (g/m3) | Not Available |

SECTION 10 Stability and reactivity

| See section 7 |
|--|
| Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur. |
| See section 7 |
| See section 7 |
| See section 7 |
| See section 5 |
| |

SECTION 11 Toxicological information

Information on toxicological effects

| Tormation on toxicological el | | | |
|-------------------------------|--|--|--|
| Inhaled | Generated dust may be discomforting | | |
| Ingestion | Accidental ingestion of the material may be damaging to the health of the individual. Human metabolism allows detoxification of ammonia, however toxic effects appear if this mechanism is overwhelmed by other than small doses. Ingestion of ammonium salts may produce local irritation, nausea, vomiting and diarrhoea. Very large doses of ammonium salts may produce a drop in blood pressure, collapse, central nervous system disorders, spasms, narcosis, respiratory paralysis and haemolysis. Large doses of ammonium salts may be sufficiently absorbed to produce diuresis and systemic ammonia poisoning. Such poisonings have been described after parenteral administration of the salts and produce flaccidity of facial muscles, tremor, generalised discomfort, anxiety and impairment of motor performance, recognition and of critical flicker fusion. Such a clinical picture resembles that found in terminal liver failure - elevated levels of ammonia are found regularly in advanced liver disease. | | |
| Skin Contact | Limited evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. Skin irritation may also be present after prolonged or repeated exposure; this may result in a form of contact dermatitis (nonallergic). The dermatitis is often characterised by skin redness (erythema) and swelling (oedema) which may progress to blistering (vesiculation), scaling and thickening of the epidermis. At the microscopic level there may be intercellular oedema of the spongy layer of the skin (spongiosis) and intracellular oedema of the epidermis. The material may accentuate any pre-existing dermatitis condition Solution of material in moisture on the skin, or perspiration, may increase irritant effects | | |
| Еуе | Limited evidence exists, or practical experience suggests, that the material may cause eye irritation in a substantial number of individuals and/or is expected to produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. Repeated or prolonged eye contact may cause inflammation characterised by temporary redness (similar to windbur of the conjunctiva (conjunctivitis); temporary impairment of vision and/or other transient eye damage/ulceration may occur. | | |
| Chronic | | ause changes in lung function (i.e. pneumoconiosis) caused by particles less than 0.5 symptom is breathlessness. Lung shadows show on X-ray. | |
| Rowe Scientific ammonium | TOXICITY | IRRITATION | |
| acetate solid | Not Available | Not Available | |
| | TOXICITY | IRRITATION | |
| | darmal (rat) I DE0: > 2000 mg/kg[1] | Figure advance offset shoomed (not imitation)[1] | |

| Rowe Scientific ammonium | TOXICITY | IRRITATION |
|--------------------------|---|--|
| acetate solid | Not Available | Not Available |
| | TOXICITY | IRRITATION |
| | | IMITATION |
| ammonium acetate | dermal (rat) LD50: >2000 mg/kg ^[1] | Eye: no adverse effect observed (not irritating) ^[1] |
| | Oral (Rat) LD50: >=2000 mg/kg ^[1] | Skin: no adverse effect observed (not irritating) ^[1] |
| | | |

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

AMMONIUM ACETATE

Altered sleep time, muscle contraction, coma, dyspnae, hypoglycemia recorded. 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. RADS (or asthma) following an irritating inhalation is an infrequent disorder with rates related to the concentration of and duration of exposure to the irritating substance. On the other hand, industrial bronchitis is a disorder that occurs as a result of exposure due to high concentrations of irritating substance (often particles) and is completely reversible after exposure ceases. The disorder is characterized by difficulty breathing, cough and mucus production.

| Acute Toxicity | × | Carcinogenicity | × |
|----------------------------------|----------|--------------------------|----------|
| Skin Irritation/Corrosion | × | Reproductivity | × |
| Serious Eye Damage/Irritation | ~ | STOT - Single Exposure | × |
| Respiratory or Skin | × | STOT - Repeated Exposure | ~ |

No significant acute toxicological data identified in literature search.

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sensitisation

Mutagenicity X Aspiration Hazard X

SECTION 12 Ecological information

Toxicity

| Rowe Scientific ammonium acetate solid | Endpoint | Test Duration (hr) | Species | Value | Source |
|--|------------------|--------------------|--|------------------|------------------|
| | Not Available | Not Available | Not Available | Not Available | Not Available |
| | Endpoint | Test Duration (hr) | Species | Value | Source |
| | EC50 | 72h | Algae or other aquatic plants | >392.7mg/l | 2 |
| | EC50 | 48h | Crustacea | >360.89mg/l | 2 |
| ammonium acetate | NOEC(ECx) | 360h | Fish | 154mg/l | 2 |
| | LC50 | 96h | Fish | 238mg/l | 2 |
| | EC50 | 96h | Algae or other aquatic plants | 16019.335mg/ | 1 2 |
| Legend: | Ecotox databas | | legistered Substances - Ecotoxicological Info tic Hazard Assessment Data 6. NITE (Japan | | |

DO NOT discharge into sewer or waterways.

Persistence and degradability

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

Bioaccumulative potential

| Ingredient | Bioaccumulation |
|------------------|---------------------------------------|
| | No Data available for all ingredients |
| | |
| Mobility in soil | |
| | |

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

SECTION 13 Disposal considerations

Waste treatment methods

Product / Packaging disposal

- ▶ 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.

SECTION 14 Transport information

Labels Required

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

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

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 |
|------------------|---------------|
| ammonium acetate | Not Available |

14.7.3. Transport in bulk in accordance with the IGC Code

| Product name | Ship Type |
|------------------|---------------|
| ammonium acetate | Not Available |

SECTION 15 Regulatory information

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

ammonium acetate is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC)

Additional Regulatory Information

Not Applicable

National Inventory Status

| National Inventory | Status | | |
|---|--|--|--|
| Australia - AIIC / Australia Non- Industrial Use | Yes | | |
| Canada - DSL | Yes | | |
| Canada - NDSL | No (ammonium acetate) | | |
| 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. These ingredients may be exempt or will require registration. | | |

SECTION 16 Other information

| Revision Date | 14/10/2024 |
|---------------|------------|
| Initial Date | 23/09/2014 |

SDS Version Summary

| Version | Date of Update | Sections Updated |
|---------|-------------------|---|
| 5.1 | 10/03/2023 | Classification change due to full database hazard calculation/update. |
| 6.1 | 14/10/2024 | Hazards identification - Classification, Firefighting measures - Fire Fighter (fire/explosion hazard), Composition / information on ingredients - Ingredients, Identification of the substance / mixture and of the company / undertaking - Use |

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.

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
- DNEL: Derived No-Effect Level
- PNEC: Predicted no-effect concentration
- AIIC: Australian Inventory of Industrial Chemicals
- ▶ DSL: 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

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- ▶ 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

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