

Penatech GP

RLA Polymers Pty Ltd

Chemwatch: 70-6677 Version No: 4.1 Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements Chemwatch Hazard Alert Code: 3

Issue Date: 15/04/2021 Print Date: 26/05/2022 S.GHS.AUS.EN

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

Product Identifier

| Product name | Penatech GP |
|-------------------------------|----------------|
| Chemical Name | Not Applicable |
| Synonyms | Not Available |
| Chemical formula | Not Applicable |
| Other means of identification | Not Available |

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

Details of the supplier of the safety data sheet

| Registered company name | RLA Polymers Pty Ltd | |
|-------------------------|---|--|
| Address | 15 Colchester Road Kilsyth VIC 3137 Australia | |
| Telephone | 9728 1644, 1800 242 931 | |
| Fax | +61 3 9728 6009 | |
| Website | www.rlapolymers.com.au | |
| Email | sales@rlapolymers.com.au | |

Emergency telephone number

| Association / Organisation | RLA Polymers Pty Ltd | CHEMWATCH EMERGENCY RESPONSE |
|-----------------------------------|----------------------|------------------------------|
| Emergency telephone numbers | +61 3 9728 1644 | +61 1800 951 288 |
| Other emergency telephone numbers | 1800 242 931 | +61 3 9573 3188 |

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

SECTION 2 Hazards identification

Classification of the substance or mixture

| Poisons Schedule | Not Applicable | |
|-------------------------------|--|--|
| Classification ^[1] | Sensitisation (Skin) Category 1, Serious Eye Damage/Eye Irritation Category 1, Specific Target Organ Toxicity - Single Exposure (Respiratory Tract Irritation) Category 3, Specific Target Organ Toxicity - Repeated Exposure Category 2, Skin Corrosion/Irritation Category 2 | |
| Legend: | 1. Classified by Chernwatch; 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)

| H317 | May cause an allergic skin reaction. | |
|------|--|--|
| H318 | auses serious eye damage. | |
| H335 | May cause respiratory irritation. | |
| H373 | May cause damage to organs through prolonged or repeated exposure. | |
| H315 | Causes skin irritation. | |

Precautionary statement(s) Prevention

| P260 | Do not breathe dust/fume. | |
|------|--|--|
| P271 | Jse only outdoors or in a well-ventilated area. | |
| P280 | Wear protective gloves, protective clothing, eye protection and face protection. | |
| 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. | |
|----------------|--|--|
| P310 | Immediately call a POISON CENTER/doctor/physician/first aider. | |
| P302+P352 | IF ON SKIN: Wash with plenty of water. | |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. | |

Precautionary statement(s) Storage

| P405 | Store locked up. | |
|-----------|--|--|
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. | |
| | | |

Precautionary statement(s) Disposal

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

Not Applicable

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

| CAS No | %[weight] | Name |
|---------------|---|--|
| 65997-15-1 | 40-70 | portland cement |
| 14808-60-7 | 10-30 | silica crystalline - quartz |
| Not Available | 1-10 | Ingredients determined not to be hazardous |
| Legend: | 1. Classified by Chernwatch; 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 measur | res |
|---------------------------------|--|
| Eye Contact | If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye continuously with 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. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. 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 | When silica dust is dispersed in air, firefighters should wear inhalation protection as hazardous substances from the fire may be adsorbed on the silica particles. When heated to extreme temperatures, (>1700 deg.C) amorphous silica can fuse. 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 | Non combustible. Not considered a significant fire risk, however containers may burn. Decomposition may produce toxic fumes of: silicon dioxide (SiO2) May emit poisonous fumes. May emit corrosive fumes. |
| 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 | 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. |
|--------------|--|
| Major Spills | Moderate hazard. CAUTION: Advise personnel in area. Alert Emergency Services and tell them location and nature of hazard. Control personal contact by wearing protective clothing. |

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

SECTION 7 Handling and storage

| 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. |
| 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. |

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 | WARNING: Avoid or control reaction with peroxides. All <i>transition metal</i> peroxides should be considered as potentially explosive. For example transition metal complexes of alkyl hydroperoxides may decompose explosively. The pi-complexes formed between chromium(0), vanadium(0) and other transition metals (haloarene-metal complexes) and mono-or poly-fluorobenzene show extreme sensitivity to heat and are explosive. Avoid strong acids, acid chlorides, acid anhydrides and chloroformates. Avoid contact with copper, aluminium and their alloys. |

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 | portland cement | Portland cement | 10 mg/m3 | Not Available | Not Available | (a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica. |
| Australia Exposure Standards | silica crystalline - quartz | Silica - Crystalline: Quartz (respirable dust) | 0.05 mg/m3 | Not Available | Not Available | Not Available |

| Ingredient | TEEL-1 | TEEL-2 | | TEEL-3 |
|-----------------------------|---------------------|----------|-------------|-----------|
| silica crystalline - quartz | 0.075 mg/m3 | 33 mg/m3 | | 200 mg/m3 |
| Ingredient | Original IDLH | | Revised II | DLH |
| portland cement | 5,000 mg/m3 | | Not Availat | ble |
| silica crystalline - quartz | 25 mg/m3 / 50 mg/m3 | | Not Availat | |

Exposure controls

| Appropriate engineering controls | Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. |
|-------------------------------------|---|
| Personal protection | |
| Eye and face protection | Safety glasses with side shields. Chemical goggles. 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 | NOTE: The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact. Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed. The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice. Personal hygiene is a key element of effective hand care. Neoprene rubber gloves Experience indicates that the following polymers are suitable as glove materials for protection against undissolved, dry solids, where abrasive particles are not present. polychloroprene. nitrile rubber. butyl rubber. |
| Body protection | See Other protection below |
| Other protection | Overalls. P.V.C apron. Barrier cream. Skin cleansing cream. |

Respiratory protection

Particulate. (AS/NZS 1716 & 1715, EN 143:2000 & 149:001, 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)

If inhalation risk above the TLV exists, wear approved dust respirator.

- Use respirators with protection factors appropriate for the exposure level.
- Up to 5 X TLV, use valveless mask type; up to 10 X TLV, use 1/2 mask dust respirator
- ▶ Up to 50 X TLV, use full face dust respirator or demand type C air supplied respirator

▶ Up to 500 X TLV, use powered air-purifying dust respirator or a Type C pressure demand supplied-air respirator

- Over 500 X TLV wear full-face self-contained breathing apparatus with positive pressure mode or a combination respirator with a Type C positive pressure supplied-air full-face respirator and an auxiliary self-contained breathing apparatus operated in pressure demand or other positive pressure mode
- · Respirators may be necessary when engineering and administrative controls do not adequately prevent exposures.

• The decision to use respiratory protection should be based on professional judgment that takes into account toxicity information, exposure measurement data, and frequency and likelihood of the worker's exposure - ensure users are not subject to high thermal loads which may result in heat stress or distress due to personal protective equipment (powered, positive flow, full face apparatus may be an option).

Published occupational exposure limits, where they exist, will assist in determining the adequacy of the selected respiratory protection. These may be government mandated or vendor recommended.

Certified respirators will be useful for protecting workers from inhalation of particulates when properly selected and fit tested as part of a complete respiratory protection program.
 Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

· Use approved positive flow mask if significant quantities of dust becomes airborne.

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 \cdot Try to avoid creating dust conditions.

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

| Appearance | Powder. | | |
|---|----------------|---|----------------|
| | | | |
| Physical state | Divided Solid | 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 | 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 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 Applicable |
| Lower Explosive Limit (%) | Not Applicable | Volatile Component (%vol) | Not Available |
| Vapour pressure (kPa) | Not Available | Gas group | Not Available |
| Solubility in water | Not Available | pH as a solution (Not Available%) | Not Available |
| Vapour density (Air = 1) | Not Available | VOC g/L | Not Available |

SECTION 10 Stability and reactivity

| Reactivity | See section 7 |
|-------------------------------------|--|
| Chemical stability | Unstable in the presence of incompatible materials. Product is considered stable. 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 | The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage. Inhalation of dusts, generated by the material during the course of normal handling, may be damaging to the health of the individual. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled. If prior damage to the circulatory or nervous systems has occurred or if kidney damage has been sustained, proper screenings should be conducted on individuals who may be exposed to further risk if handling and use of the material result in excessive exposures. Effects on lungs are significantly enhanced in the presence of respirable particles. Acute silicosis occurs under conditions of extremely high silica dust exposure particularly when the particle size of the dust is small. The disease is rapidly progressive and spreads widely through the lungs within months of the initial exposure and causing death within 1 to 2 years. |
| Ingestion | Ingestion may result in nausea, abdominal irritation, pain and vomiting |
| Skin Contact | This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected. |
| Eye | If applied to the eyes, this material causes severe eye damage. |
| Chronic | Long-term exposure to respiratory irritants may result in airways disease, involving difficulty breathing and related whole-body problems. Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population. Toxic: danger of serious damage to health by prolonged exposure through inhalation. This material can cause serious damage if one is exposed to it for long periods. It can be assumed that it contains a substance which can produce severe defects. Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. Crystalline silicas activate the inflammatory response of white blood cells after they injure the lung epithelium. Chronic exposure to crystalline silicas reduces lung capacity and predisposes to chest infections. Overexposure to the breathable dust may cause coughing, wheezing, difficulty in breathing and impaired lung function. Chronic symptoms may include decreased vital lung capacity and chest infections. Repeated exposures in the workplace to high levels of fine-divided dusts may produce a condition known as pneumoconiosis, which is the lodgement of any inhaled dusts in the lung, irrespective of the effect. This is particularly true when a significant number of particles less than 0.5 microns (1/50000 inch) are present. Prolonged or repeated skin contact may cause drying with cracking, irritation and possible dermatitis following. |

| | ΤΟΧΙΟΙΤΥ | IRRITATION | |
|---|--|---|--|
| Penatech GP | Not Available | Not Available | |
| | тохісіту | IRRITATION | |
| portland cement | Not Available | Not Available | |
| | ΤΟΧΙΟΙΤΥ | IRRITATION | |
| silica crystalline - quartz | Oral (Rat) LD50; 500 mg/kg ^[2] | Not Available | |
| Legend: | 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 | | |
| PORTLAND CEMENT SILICA CRYSTALLINE - QUARTZ | airflow pattern on lung function tests, moderate to sev lymphocytic inflammation, without eosinophilia. No sig WARNING: For inhalation exposure <u>ONLY</u> : This subs The International Agency for Research on Cancer (IA carcinogenic to humans . This classification is based | tact eczema, more rarely as urticaria of nune reaction of the delayed type. Oth ven years after exposure to the materi (DS) which can occur after exposure to previous airways disease in a non-atop ocumented exposure to the irritant. Oth vere bronchial hyperreactivity on meth gnificant acute toxicological data identitation tance has been classified by the IARC (RC) has classified occupational expo- on what IARC considered sufficient evaluation and cristobalite. Crystalline silication noconiosis), cough, dyspnoea, liver tu er samples counted by light field techne termines whether it is likely to preser | or Quincke's oedema. The pathogenesis of contact her allergic skin reactions, e.g. contact urticaria, al ends. This may be due to a non-allergic condition o high levels of highly irritating compound. Main pic individual, with sudden onset of persistent her criteria for diagnosis of RADS include a reversible acholine challenge testing, and the lack of minimal ified in literature search. C as Group 1: CARCINOGENIC TO HUMANS sures to respirable (<5 um) crystalline silica as being vidence from epidemiological studies of humans for is also known to cause silicosis, a non-cancerous lung mours. |
| Acute Toxicity | × | Carcinogenicity | × |
| Skin Irritation/Corrosion | ✓ | Reproductivity | × |
| Serious Eye Damage/Irritation | ✓ | STOT - Single Exposure | ✓ |
| Respiratory or Skin sensitisation | * | STOT - Repeated Exposure | * |
| Mutagenicity | × | Aspiration Hazard | × |

➤ - Data either not available or does not fill the criteria for classification ▼ - Data available to make classification

SECTION 12 Ecological information

| Endpoint | Test Duration (hr) | Species | Value | Source |
|------------------|--|---|--|---|
| Not Available | Not Available | Not Available | Not Available | Not Available |
| Endpoint | Test Duration (hr) | Species | Value | Source |
| Not Available | Not Available | Not Available | Not Available | Not Available |
| Endpoint | Test Duration (hr) | Species | Value | Source |
| Not Available | Not Available | Not Available | Not Available | Not Available |
| Extracted fron | n 1. IUCLID Toxicity Data 2. Europe ECHA Registe ase - Aquatic Toxicity Data 5. ECETOC Aquatic Ha | ered Substances - Ecotoxicological Info | ormation - Aquatic Toxicity 4. | US EPA, |
| | Available Endpoint Not Available Endpoint Not Available | Available Not Available Endpoint Test Duration (hr) Not Available Not Available Not Available Endpoint Test Duration (hr) Not Available Not Available Not Available | Available Not Available Available Not Available Endpoint Test Duration (hr) Species Not Available Not Available Not Available Endpoint Test Duration (hr) Species Not Available Not Available Not Available Not Available Not Available Not Available | Available Not Available Not Available Available Endpoint Test Duration (hr) Species Value Not Available Not Available Not Available Not Available Not Available Not Available Not Available Not Available Endpoint Test Duration (hr) Species Value Not Not Available Not Not Not Available Not |

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 | DO NOT 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. |

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 |
|-----------------------------|---------------|
| portland cement | Not Available |
| silica crystalline - quartz | Not Available |

Transport in bulk in accordance with the ICG Code

| Product name | Ship Type |
|-----------------------------|---------------|
| portland cement | Not Available |
| silica crystalline - quartz | Not Available |

SECTION 15 Regulatory information

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

portland cement is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC)

silica crystalline - quartz is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Model Work Health and Safety Regulations - Hazardous chemicals (other than lead) requiring health monitoring Australian Inventory of Industrial Chemicals (AIIC) Chemical Footprint Project - Chemicals of High Concern List

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 1: Carcinogenic to humans

National Inventory Status

| National Inventory | Status |
|--|---|
| Australia - AIIC / Australia Non-Industrial Use | Yes |
| Canada - DSL | Yes |
| Canada - NDSL | No (portland cement; silica crystalline - quartz) |
| China - IECSC | Yes |
| Europe - EINEC / ELINCS / NLP | Yes |
| Japan - ENCS | No (portland cement) |
| Korea - KECI | Yes |
| New Zealand - NZIoC | Yes |
| Philippines - PICCS | No (portland cement) |
| USA - TSCA | Yes |
| Taiwan - TCSI | Yes |

| National Inventory | Status |
|--------------------|---|
| 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 | 15/04/2021 |
|---------------|------------|
| Initial Date | 10/11/2016 |

SDS Version Summary

| Version | Date of Update | Sections Updated |
|---------|----------------|--|
| 3.1 | 01/11/2019 | One-off system update. NOTE: This may or may not change the GHS classification |
| 4.1 | 15/04/2021 | Classification change due to full database hazard calculation/update. |

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

| Definitions and appreviations |
|---|
| 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 |
| 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 |
| 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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