# Barnes Products P/L Chemwatch Hazard Alert Code: 1 Chemwatch: 73-2586 Issue Date: 23/12/2022 Version No: 6.1 Print Date: 12/04/2023 Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements S.GHS.AUS.EN.E

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

### **Product Identifier**

Product name	RD-407 Mask Making Latex
Chemical Name	Not Applicable
Synonyms	Latex Compound; Monster Makers Foam Latex
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	Use according to manufacturer's directions.

# Details of the manufacturer or supplier of the safety data sheet

Registered company name	Barnes Products P/L
Address	5 Greenhills Avenue Moorebank NSW 2170 Australia
Telephone	+61 2 9793 7555
Fax	+61 2 9793 7091
Website	http://www.barnes.com.au/
Email	sales@barnes.com.au

Emergency telephone number	
Association / Organisation	Barnes Products Pty Ltd
Emergency telephone numbers	+61 2 9793 7555 Business Hours
Other emergency telephone numbers	Poisons Information Centre 13 1126 after hours

# **SECTION 2 Hazards identification**

# Classification of the substance or mixture

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

# Chemwatch Hazard Ratings

	Min Max	1
Flammability	0	1
Toxicity	1	0 = Minimum
Body Contact	1	1 = Low
Reactivity	0	2 = Moderate
Chronic	0	3 = High 4 = Extreme

Poisons Schedule	Not Applicable
Classification <sup>[1]</sup>	Not Applicable

### Label elements

Hazard pictogram(s)	Not Applicable
Signal word	Not Applicable

# Hazard statement(s)

Not Applicable

# Precautionary statement(s) Prevention Not Applicable

Precautionary statement(s) Response

Not Applicable

# Precautionary statement(s) Storage

### Not Applicable

Precautionary statement(s) Disposal

Not Applicable

### **SECTION 3 Composition / information on ingredients**

### Substances

See section below for composition of Mixtures

### Mixtures

CAS No	%[weight] Name	
1314-13-2	NotSpec	zincoxide
1310-58-3	NotSpec	potassium hydroxide
1336-21-6	NotSpec	ammonium hydroxide
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 measures	
Eye Contact	<ul> <li>If this product comes in contact with the eyes:</li> <li>Immediately hold eyelids apart and flush the eye continuously with running water.</li> <li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.</li> <li>Transport to hospital or doctor without delay.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
Skin Contact	<ul> <li>If skin contact occurs:</li> <li>Immediately remove all contaminated clothing, including footwear.</li> <li>Flush skin and hair with running water (and soap if available).</li> <li>Seek medical attention in event of irritation.</li> </ul>
Inhalation	<ul> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>
Ingestion	<ul> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Seek medical advice.</li> </ul>

# Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# for irritant gas exposures:

- + the presence of the agent when it is inhaled is evanescent (of short duration) and therefore, cannot be washed away or otherwise removed
- arterial blood gases are of primary importance to aid in determination of the extent of damage. Never discharge a patient significantly exposed to an irritant gas without obtaining an arterial blood sample.
- supportive measures include suctioning (intubation may be required), volume cycle ventilator support (positive and expiratory pressure (PEEP), steroids and antibiotics, after a culture is taken
- If the eyes are involved, an ophthalmologic consultation is recommended
- Occupational Medicine: Third Edition; Zenz, Dickerson, Horvath 1994 Pub: Mosby
- For acute or short term repeated exposures to ammonia and its solutions:
- Mild to moderate inhalation exposures produce headache, cough, bronchospasm, nausea, vomiting, pharyngeal and retrosternal pain and conjunctivitis. Severe inhalation produces laryngospasm, signs of upper airway obstruction (stridor, hoarseness, difficulty in speaking) and, in excessively, high doses, pulmonary oedema.
- Warm humidified air may soothe bronchial irritation.
- Test all patients with conjunctival irritation for corneal abrasion (fluorescein stain, slit lamp exam)
- Dyspneic patients should receive a chest X-ray and arterial blood gases to detect pulmonary oedema.

# **SECTION 5 Firefighting measures**

### Extinguishing media

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

### Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

### Advice for firefighters

Fire Fighting
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 suth water spray from a protected location.

	If safe to do so, remove containers from path of fire.
Fire/Explosion Hazard	<ul> <li>Non combustible.</li> <li>Not considered a significant fire risk, however containers may burn.</li> <li>May emit poisonous fumes.</li> <li>May emit corrosive fumes.</li> </ul>
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> <li>Clean up all spills immediately.</li> <li>Avoid breathing vapours and contact with skin and eyes.</li> <li>Control personal contact with the substance, by using protective equipment.</li> <li>Contain and absorb spill with sand, earth, inert material or vermiculite.</li> <li>Wipe up.</li> <li>Place in a suitable, labelled container for waste disposal.</li> </ul>
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.  Stop leak if safe to do so.  Contain spill with sand, earth or vermiculite.

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

# **SECTION 7 Handling and storage**

### Precautions for safe handling Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with moisture. Safe handling Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke Keep containers securely sealed when not in use. DO NOT allow clothing wet with material to stay in contact with skin Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Other information 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	Packaging as recommended by manufacturer.
Storage incompatibility	<ul> <li>Avoid reaction with oxidising agents</li> <li>Avoid strong acids, acid chlorides, acid anhydrides and chloroformates.</li> </ul>

# **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	zinc oxide	Zinc oxide (dust)	10 mg/m3	Not Available	Not Available	(a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Australia Exposure Standards	zinc oxide	Zinc oxide (fume)	5 mg/m3	10 mg/m3	Not Available	Not Available
Australia Exposure Standards	potassium hydroxide	Potassium hydroxide	Not Available	Not Available	2 mg/m3	Not Available

# Emergency Limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
zinc oxide	10 mg/m3	15 mg/m3	2,500 mg/m3
potassium hydroxide	0.18 mg/m3	2 mg/m3	54 mg/m3
ammonium hydroxide	61 ppm	330 ppm	2,300 ppm

Ingredient	Original IDLH	Revised IDLH		
zinc oxide	500 mg/m3	Not Available		
potassium hydroxide	Not Available	Not Available		
ammonium hydroxide	Not Available	Not Available		
Occupational Exposure Banding				
Ingradiant	Occurational Experience Band Bating	Occurrentianal Experience Band Limit		

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
ammonium hydroxide	E	≤ 0.1 ppm
Notes:	Occupational exposure banding is a process of assigning chemicals into s adverse health outcomes associated with exposure. The output of this pro range of exposure concentrations that are expected to protect worker hea	cess is an occupational exposure band (OEB), which corresponds to a

### 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. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure. CARE: Explosive vapour air mixtures may be present on opening vessels which have contained liquid ammonia. Fatalities have occurred
Individual protection measures, such as personal protective equipment	
Eye and face protection	<ul> <li>Safety glasses with side shields.</li> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. 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.</li> </ul>
Skin protection	See Hand protection below
Hands/feet protection	<ul> <li>Wear chemical protective gloves, e.g. PVC.</li> <li>Wear safety footwear or safety gumboots, e.g. Rubber</li> <li>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.</li> <li>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.</li> <li>Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended.</li> </ul>
Body protection	See Other protection below
Other protection	<ul> <li>Overalls.</li> <li>P.V.C apron.</li> <li>Barrier cream.</li> <li>Skin cleansing cream.</li> <li>Eye wash unit.</li> </ul>

# 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:

RD-407 Mask Making Latex

Material	CPI
BUTYL	A
NEOPRENE	А
NATURAL+NEOPRENE	В
NITRILE	В
HYPALON	С
NATURAL RUBBER	С
NEOPRENE/NATURAL	С
NITRILE+PVC	С
PVC	С

# **Respiratory protection**

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

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required. Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	K-AUS	-	K-PAPR-AUS / Class 1
up to 50 x ES	-	K-AUS / Class 1	-
up to 100 x ES	-	K-2	K-PAPR-2 ^

### ^ - Full-face

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)

\* 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 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.

# **SECTION 9** Physical and chemical properties

# Information on basic physical and chemical properties

Appearance	Natural colour liquid with mild ammonia odour; mixes with water.		
Physical state	Liquid	Relative density (Water = 1)	1.02
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	>7	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	0	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	>100	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	<1 Water=1	Explosive properties	Not Available
Flammability	Not Available	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)	27.94 (relative to n-butyl acetate)
Vapour pressure (kPa)	*1.6 @20C (ammonium hydroxide)	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

# **SECTION 10 Stability and reactivity**

Reactivity	See section 7
Reactivity	See section /
Chemical stability	<ul> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul>
Possibility of 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 is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation (as classified by EC Directives using animal models). Nevertheless, adverse systemic effects have been produced following exposure of animals by at least one other route and good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.		
Ingestion	Accidental ingestion of the material may be damaging to the	e health of the individual.	
Skin Contact	There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons. 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	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).		
	characterised by tearing or conjunctival redness (as with wi	ndburn).	
Chronic		ndburn). d may cause some concern following repeated or long-term occupational exposure.	
	Substance accumulation, in the human body, may occur an	d may cause some concern following repeated or long-term occupational exposure.	
Chronic		·	
	Substance accumulation, in the human body, may occur an	d may cause some concern following repeated or long-term occupational exposure.	
Chronic	Substance accumulation, in the human body, may occur an TOXICITY	d may cause some concern following repeated or long-term occupational exposure. IRRITATION	
Chronic	Substance accumulation, in the human body, may occur an TOXICITY Not Available	d may cause some concern following repeated or long-term occupational exposure.  IRRITATION Not Available	
Chronic	Substance accumulation, in the human body, may occur an TOXICITY Not Available TOXICITY	d may cause some concern following repeated or long-term occupational exposure.  IRRITATION Not Available IRRITATION	
Chronic RD-407 Mask Making Latex	Substance accumulation, in the human body, may occur an TOXICITY Not Available TOXICITY dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>	d may cause some concern following repeated or long-term occupational exposure.  IRRITATION Not Available IRRITATION Eye (rabbit) : 500 mg/24 h - mild	

	TOXICITY	IRRITATION	
	Oral (Rat) LD50: 273 mg/kg <sup>[2]</sup>	Eye (rabbit):1mg/24h rinse-moderate	
potassium hydroxide		Skin (human): 50 mg/24h SEVERE	
		Skin (rabbit): 50 mg/24h SEVERE	
	TOXICITY IRRITATION		
ammonium hydroxide	Inhalation(Rat) LC50: 2000 ppm4h <sup>[2]</sup>	Eye (rabbit): 0.25 mg SEVERE	
	Oral (Rat) LD50: 350 mg/kg <sup>[2]</sup> Eye (rabbit): 1 mg/30s SEVERE		
Legend:	<ol> <li>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</li> </ol>		

ZINC OXIDE	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.		
POTASSIUM HYDROXIDE	The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. The material may cause severe 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. Repeated exposures may produce severe ulceration.		
AMMONIUM HYDROXIDE	The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.		
POTASSIUM HYDROXIDE & AMMONIUM HYDROXIDE	Asthma-like symptoms may continue for months or ev known as reactive airways dysfunction syndrome (RA criteria for diagnosing RADS include the absence of p asthma-like symptoms within minutes to hours of a do airflow pattern on lung function tests, moderate to sew lymphocytic inflammation, without eosinophilia. RADS the concentration of and duration of exposure to the ir result of exposure due to high concentrations of irritati disorder is characterized by difficulty breathing, cough	DS) which can occur after exposure to revious airways disease in a non-atop iccumented exposure to the irritant. Other ere bronchial hyperreactivity on methic (or asthma) following an irritating inh ritating substance. On the other hand ing substance (often particles) and is	b high levels of highly irritating compound. Main bic individual, with sudden onset of persistent rer criteria for diagnosis of RADS include a reversible acholine challenge testing, and the lack of minimal alation is an infrequent disorder with rates related to , industrial bronchitis is a disorder that occurs as a
Acute Toxicity	× Carcinogenicity ×		
Skin Irritation/Corrosion	× Reproductivity ×		
Serious Eye Damage/Irritation	×	STOT - Single Exposure	×
Respiratory or Skin sensitisation	×	STOT - Repeated Exposure	×
Mutagenicity	×	Aspiration Hazard	×
sensitisation		Aspiration Hazard	

Legend: 🗙

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

# **SECTION 12 Ecological information**

RD-407 Mask Making Latex	Endpoint	Test Duration (hr)	5	Species		Value	Source
	Not Available	Not Available	Not Available Not Available		Not Available	Not Available	
zinc oxide	Endpoint	Test Duration (hr)	Sp	ecies	Value	9	Source
	BCF	1344h	Fis	h	19-11	0	7
	LC50	96h	Fis	h	0.112	2mg/l	2
	EC50	72h	Alg	ae or other aquatic plants	0.036	6-0.049mg/l	4
	EC50	48h	Cru	ustacea	0.105	āmg/l	2
	EC10(ECx)	168h	Alg	ae or other aquatic plants	0.002	25mg/l	2
	EC50	96h	Alg	ae or other aquatic plants	0.3m	g/l	2
	Endpoint	Test Duration (hr)		Species		Value	Source
potassium hydroxide	LC50	96h		Fish		80mg/l	2
	NOEC(ECx)	24h		Fish		28mg/l	2
	Endpoint	Test Duration (hr)		Species		Value	Source
ammonium hydroxide	LC50	96h		Fish		33.3mg/L	4
	EC50(ECx)	96h		Crustacea		0.83mg/L	5
Legend:	Extracted from	1. IUCLID Toxicity Data 2. Europe E	ECHA Registered S	Substances - Ecotoxicological Inform	nation - Aquatio	Toxicitv 4. l	JS EPA.

DO NOT discharge into sewer or waterways.

Ingredient	Persistence: Water/Soil	Persistence: Air
	No Data available for all ingredients	No Data available for all ingredients
Bioaccumulative potential		
Bioaccumulative potential		
Ingredient	Bioaccumulation	
zinc oxide	LOW (BCF = 217)	
Mobility in soil		
Ingredient	Mobility	
	No Data available for all ingredients	

# **SECTION 13 Disposal considerations**

Product / Packaging disposal	<ul> <li>DO NOT allow wash water from cleaning or process equipment to enter drains.</li> <li>It may be necessary to collect all wash water for treatment before disposal.</li> <li>In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.</li> <li>Where in doubt contact the responsible authority.</li> <li>Recycle wherever possible.</li> <li>Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.</li> <li>Dispose of by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or incineration in a licensed apparatus (after admixture with suitable combustible material).</li> <li>Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.</li> </ul>
------------------------------	---

# **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
zinc oxide	Not Available
potassium hydroxide	Not Available
ammonium hydroxide	Not Available

### Transport in bulk in accordance with the IGC Code

Product name	Ship Type
zinc oxide	Not Available
potassium hydroxide	Not Available
ammonium hydroxide	Not Available

# **SECTION 15 Regulatory information**

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

# zinc oxide is found on the following regulatory lists

Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 4	International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)
Australian Inventory of Industrial Chemicals (AIIC)	

### potassium hydroxide is found on the following regulatory lists

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

# ammonium hydroxide is found on the following regulatory lists

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 6

Australian Inventory of Industrial Chemicals (AIIC)

Australian Inventory of Industrial Chemicals (AIIC)

National Inventory	Status	
Australia - AIIC / Australia Non-Industrial Use	Yes	
Canada - DSL	Yes	
Canada - NDSL	No (potassium hydroxide; ammonium hydroxide)	
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	23/12/2022
Initial Date	09/03/2017

# SDS Version Summary

Version	Date of Update	Sections Updated
5.1	01/11/2019	One-off system update. NOTE: This may or may not change the GHS classification
6.1	23/12/2022	Classification review due to GHS Revision 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.

### 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 I OD. 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

This document is copyright.

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