

Chemwatch: **5228-26** Version No: **4.1.1.1** Safety Data Sheet according to WHS and ADG requirements Chemwatch Hazard Alert Code: 2

Issue Date: 25/08/2020 Print Date: 07/09/2020 L.GHS.AUS.EN

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

Product Identifier

Product name	RS-GCS-020-GNS Silicone Free Grease #915-6105, 915-6109 (AUS)	
Synonyms	Not Available	
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains zinc oxide)	
Other means of identification	Not Available	

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

Relevant identified uses	Conductive agents, fillers.
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Details of the supplier of the safety data sheet

Registered company name	RS Components	
Address	25 Pavesi Street Smithfield NSW 2164 Australia	
Telephone	+1 300 656 636	
Fax	+1 300 656 696	
Website	www.au.rs-online.com	
Email	Not Available	

Emergency telephone number

	Association / Organisation	CHEMWATCH EMERGENCY RESPONSE	
	Emergency telephone numbers	+61 2 9186 1132	
	Other emergency telephone numbers	+61 1800 951 288	

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

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

ChemWatch Hazard Ratings

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

Poisons Schedule	Not Applicable
Classification ^[1]	Specific target organ toxicity - repeated exposure Category 2, Chronic Aquatic Hazard Category 1
Legend:	1. Classified by Chernwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

Label elements

	1		
Hazard pictogram(s)			
Signal word	Warning		
Hazard statement(s)			
H373	May cause damage to organs three	ough prolonged or repeated exposure.	
H410	Very toxic to aquatic life with long	lasting effects.	
Precautionary statement(s) Pre	evention		
P260	Do not breathe mist/vapours/spra	у.	
P273	Avoid release to the environment.		
Precautionary statement(s) Re	-		
P314		Get medical advice/attention if you feel unwell.	
P391	Collect spillage.		
Precautionary statement(s) Sta Not Applicable	-		
Precautionary statement(s) Dis	-		
P501	Dispose of contents/container to a	authorised hazardous or special waste collection point in accordance with any local regulation.	
SECTION 3 Composition / in	nformation on ingredients		
Substances See section below for composition	of Mixtures		
Mixtures			
CAS No	%[weight]	Name	
1314-13-2	>60	zinc oxide	

SECTION 4 First aid measures

Not Available

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. 	
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. 	

Ingredients determined not to be hazardous

Indication of any immediate medical attention and special treatment needed

balance

Treat symptomatically.

- Absorption of zinc compounds occurs in the small intestine.
- The metal is heavily protein bound.
 Elimination results primarily from faecal excretion.
- + The usual measures for decontamination (Ipecac Syrup, lavage, charcoal or cathartics) may be administered, although patients usually have sufficient vomiting not to require them.

CaNa2EDTA has been used successfully to normalise zinc levels and is the agent of choice.

[Ellenhorn and Barceloux: Medical Toxicology]

SECTION 5 Firefighting measures

Extinguishing media

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

Special hazards arising from the substrate or mixture

Fire Incompatibility	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result		
Advice for firefighters			
Fire Fighting	 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 courses. Use water delivered as a fine spray to control fire and cool adjacent area. 		
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 toxic fumes of carbon monoxide (CO). Combustion products include: carbon dioxide (CO2) metal oxides other pyrolysis products typical of burning organic material. Contains low boiling substance: Closed containers may rupture due to pressure buildup under fire conditions. 		
HAZCHEM	•3Z		

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	Environmental hazard - contain spillage. Clean up all spills immediately. Avoid contact with skin and eyes. Wear impervious gloves and safety goggles. Trowel up/scrape up.
Major Spills	 Environmental hazard - contain spillage. 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.

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. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area.

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 reaction with oxidising agents Avoid strong acids, bases.

STEL

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SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Sou		
SOU	rce	

Peak

Notes

		name					
Australia Exposure Standards	zinc oxide	Zinc oxide (fume)	5 mg/m3	10 mg/m3	Not Available	Not Avai	lable
Australia Exposure Standards	zinc oxide	Zinc oxide (dust)	10 mg/m3	Not Available	Not Available		value is for inhalable dust containing no asbestos and stalline silica.
Emergency Limits							
Ingredient	Material nar	ne		TEEL-1		TEEL-2	TEEL-3
zinc oxide	Zinc oxide			10 mg/m3		15 mg/m3	2,500 mg/m3
Ingredient	Original IDL	н				Revised IDLH	
zinc oxide	500 mg/m3					Not Available	
MATERIAL DATA							
xposure controls							
			g montoro ana	will typically be if	idependent o	r worker interac	tions to provide this high level of protection.
Appropriate engineering controls	Process cont Enclosure ar	bes of engineering	g controls are: e changing the mission sourc	way a job activity we which keeps a	, or process is	s done to reduc	e the risk.
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Personal protection	 Process cont Enclosure an "adds" and "n" Safety g Chemica Contact the wear 	bes of engineering trols which involve id/or isolation of e removes" air in the lasses with side s al goggles. lenses may pose	g controls are: e changing the mission source e work enviror work enviror hields. a special haza	a way a job activity e which keeps a soment.	y or process is selected haza	s done to reduc rd "physically" a sorb and conce	e the risk. away from the worker and ventilation that strategically ntrate irritants. A written policy document, describing
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Personal protection Eye and face protection Skin protection	Process cont Enclosure ar "adds" and "r Safety g Chemica Contact the wear See Hand pr Wear ch Wear sa	bes of engineering trols which involve d/or isolation of e removes" air in the asses with side si al goggles. lenses may pose ring of lenses or re otection below emical protective	g controls are: e changing the mission source e work enviror work enviror hields. a special hazz estrictions on the gloves, e.g. P	ard; soft contact le use, should be cre	y or process is selected haza	s done to reduc rd "physically" a sorb and conce	e the risk. away from the worker and ventilation that strategically ntrate irritants. A written policy document, describing

Respiratory protection

- Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.
- > The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.
- Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	White grease with no odour; partly mixes with water.		
Physical state	Non Slump Paste	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)	~7	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	>35	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	>93	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	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	Partly 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
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

itormation on toxicological e	riects		
Inhaled	of the individual. Limited evidence or practical experience suggests the individuals, following inhalation. In contrast to most of irritant and then repairing the damage. The repair pri may however, produce further lung damage resulting	hat the material may produce in organs, the lung is able to respo ocess, which initially evolved to g in the impairment of gas exch	he course of normal handling, may be damaging to the h ritation of the respiratory system, in a significant number ond to a chemical insult by first removing or neutralising t o protect mammalian lungs from foreign matter and antigr hange, the primary function of the lungs. Respiratory tract tivation of many cell types, mainly derived from the vascu
Ingestion	Accidental ingestion of the material may be damagir	ig to the health of the individual	l.
Skin Contact	present twenty-four hours or more after the end Skin irritation may also be present after prolonged or dermatitis is often characterised by skin redness (en thickening of the epidermis. At the microscopic level intracellular oedema of the epidermis. Open cuts, abraded or irritated skin should not be ex-	tantial number of individuals for n applied to the healthy intact s of the exposure period. r repeated exposure; this may r ythema) and swelling (oedema) there may be intercellular oede exposed to this material ts, abrasions, puncture wounds	so resions, may produce systemic injury with harmful eff
Eye	is expected to produce significant ocular lesions whi	ch are present twenty-four hour	use eye irritation in a substantial number of individuals ar rs or more after instillation into the eye(s) of experimenta d by temporary redness (similar to windburn) of the conju
	(conjunctivitis); temporary impairment of vision and/o		ulceration may occur.
Chronic	(conjunctivitis); temporary impairment of vision and/c Limited evidence suggests that repeated or long-terr biochemical systems. Serious damage (clear functional disturbance or mo repeated or prolonged exposure. As a rule the mate	or other transient eye damage/u n occupational exposure may p rphological change which may rial produces, or contains a sub thronic (90 day) toxicity studies	broduce cumulative health effects involving organs or have toxicological significance) is likely to be caused by stance which produces severe lesions. Such damage m or following sub-acute (28 day) or chronic (two-year) tox
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Chronic RS-GCS-020-GNS Silicone Free Grease #915-6105, 915-6109 (AUS)	(conjunctivitis); temporary impairment of vision and/c Limited evidence suggests that repeated or long-terr biochemical systems. Serious damage (clear functional disturbance or morepeated or prolonged exposure. As a rule the mater become apparent following direct application in subcreases. Harmful: danger of serious damage to health by prol TOXICITY Not Available TOXICITY 600 mg/kg ^[2]	or other transient eye damage/u m occupational exposure may p rphological change which may rial produces, or contains a sub chronic (90 day) toxicity studies onged exposure through inhala IRRITAT Not Ava IRRITAT Eye (rat	broduce cumulative health effects involving organs or have toxicological significance) is likely to be caused by ostance which produces severe lesions. Such damage me or following sub-acute (28 day) or chronic (two-year) tox ation. FION illable FION bbit) : 500 mg/24 h - mild
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Chronic RS-GCS-020-GNS Silicone Free Grease #915-6105, 915-6109 (AUS) zinc oxide Legend: ZINC OXIDE	(conjunctivitis); temporary impairment of vision and/c Limited evidence suggests that repeated or long-terr biochemical systems. Serious damage (clear functional disturbance or mor repeated or prolonged exposure. As a rule the mater become apparent following direct application in subc tests. Harmful: danger of serious damage to health by prof TOXICITY Not Available TOXICITY 600 mg/kg ^[2] Oral (mouse) LD50: 7950 mg/kg ^[2] Oral (mouse) LD50: 7950 mg/kg ^[2] Oral (rat) LD50: >8437 mg/kg ^[2] 1. Value obtained from Europe ECHA Registered SU specified data extracted from RTECS - Register of T The material may cause skin irritation after prolonge dermatitis is often characterised by skin redness (en spongy layer (spongiosis) and intracellular oedema	or other transient eye damage/u n occupational exposure may p rphological change which may rial produces, or contains a sub shronic (90 day) toxicity studies onged exposure through inhala IRRITAT Not Ava IRRITAT Eye (rat Eye: no Skin (rat Skin: no ubstances - Acute toxicity 2.* Va foxic Effect of chemical Substant d or repeated exposure and ma thema) and swelling epidermis	broduce cumulative health effects involving organs or have toxicological significance) is likely to be caused by ostance which produces severe lesions. Such damage m or following sub-acute (28 day) or chronic (two-year) tox ation. FION FION FION FION FION FION FION FIO
Chronic RS-GCS-020-GNS Silicone Free Grease #915-6105, 915-6109 (AUS) zinc oxide Legend: Legend: ZINC OXIDE Acute Toxicity	(conjunctivitis); temporary impairment of vision and/c Limited evidence suggests that repeated or long-terr biochemical systems. Serious damage (clear functional disturbance or mor repeated or prolonged exposure. As a rule the mater become apparent following direct application in subc tests. Harmful: danger of serious damage to health by prof TOXICITY Not Available TOXICITY 600 mg/kg ^[2] Oral (mouse) LD50: 7950 mg/kg ^[2] Oral (rat) LD50: >5000 mg/kg ^[1] Oral (rat) LD50: >8437 mg/kg ^[2] 1. Value obtained from Europe ECHA Registered St specified data extracted from RTECS - Register of T The material may cause skin irritation after prolonge dermatitis is often characterised by skin redness (en spongy layer (spongiosis) and intracellular oedema of the spongy layer	or other transient eye damage/u n occupational exposure may p rphological change which may rial produces, or contains a sub shronic (90 day) toxicity studies onged exposure through inhala IRRITAT Not Ava IRRITAT Eye (rab Eye: no Skin (ral Skin: no ubstances - Acute toxicity 2.* Va Toxic Effect of chemical Substan d or repeated exposure and may thema) and swelling epidermis of the epidermis.	broduce cumulative health effects involving organs or have toxicological significance) is likely to be caused by ostance which produces severe lesions. Such damage more or following sub-acute (28 day) or chronic (two-year) toxes ation. FION FION Dillable FION Dillable FION Dillable FION Dillable FION Dillable Adverse effect observed (not irritating) ^[1] bbit) : 500 mg/24 h - mild adverse effect observed (not irritating) ^[1] bbit) : 500 mg/24 h - mild adverse effect observed (not irritating) ^[1] alue obtained from manufacturer's SDS. Unless otherwise nces asy produce a contact dermatitis (nonallergic). This form of s. Histologically there may be intercellular oedema of the icity X ivity X
Chronic RS-GCS-020-GNS Silicone Free Grease #915-6105, 915-6109 (AUS) zinc oxide Legend: Legend: ZINC OXIDE Acute Toxicity Skin Irritation/Corrosion	(conjunctivitis); temporary impairment of vision and/c Limited evidence suggests that repeated or long-terr biochemical systems. Serious damage (clear functional disturbance or mor repeated or prolonged exposure. As a rule the mater become apparent following direct application in subc tests. Harmful: danger of serious damage to health by prol TOXICITY Not Available TOXICITY 600 mg/kg ^[2] Oral (mouse) LD50: 7950 mg/kg ^[2] Oral (rat) LD50: >5000 mg/kg ^[1] Oral (rat) LD50: >8437 mg/kg ^[2] 1. Value obtained from Europe ECHA Registered Su specified data extracted from RTECS - Register of T The material may cause skin irritation after prolonge dermatitis is often characterised by skin redness (erry spongy layer (spongiosis) and intracellular oederma of X	or other transient eye damage/u m occupational exposure may p rphological change which may rial produces, or contains a sub shronic (90 day) toxicity studies onged exposure through inhala IRRITAT Not Ava IRRITAT Eye (rat Eye: no Skin (rat Skin: no ubstances - Acute toxicity 2.* Va oxic Effect of chemical Substan d or repeated exposure and ma thema) and swelling epidermis of the epidermis.	broduce cumulative health effects involving organs or have toxicological significance) is likely to be caused by ostance which produces severe lesions. Such damage me or following sub-acute (28 day) or chronic (two-year) tox ation. FION FION bit) : 500 mg/24 h - mild adverse effect observed (not irritating) ^[1] bit) : 500 mg/24 h - mild adverse effect observed (not irritating) ^[1] bit) : 500 mg/24 h - mild adverse effect observed (not irritating) ^[1] alue obtained from manufacturer's SDS. Unless otherwise nees ay produce a contact dermatitis (nonallergic). This form of s. Histologically there may be intercellular oedema of the icity X sure X

Continued...

RS-GCS-020-GNS Silicone Free Grease #915-6105, 915-6109 (AUS)

Legena:

SECTION 12 Ecological information

Not					
Available	Not Available	Not Available		Not Available	Not Available
Endpoint	Test Duration (hr)	Species	Valu	ie	Source
LC50	96	Fish	0.00	1-0.65mg/L	2
EC50	48	Crustacea	0.00	1-0.014mg/L	2
EC50	72	Algae or other aquatic plants	0.03	7mg/L	2
NOEC	72	Algae or other aquatic plants	0.00	1mg/L	2
	, , ,	8	,		
ν	LC50 EC50 EC50 NOEC xtracted from '3.12 (QSAR)	LC50 96 EC50 48 EC50 72 NOEC 72 Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Regis (3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA,	LC50 96 Fish EC50 48 Crustacea EC50 72 Algae or other aquatic plants NOEC 72 Algae or other aquatic plants Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Infor	LC50 96 Fish 0.00 EC50 48 Crustacea 0.00 EC50 72 Algae or other aquatic plants 0.03 NOEC 72 Algae or other aquatic plants 0.00 Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquati (3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Toxicity Da	LC50 96 Fish 0.001-0.65mg/L EC50 48 Crustacea 0.001-0.014mg/L EC50 72 Algae or other aquatic plants 0.037mg/L NOEC 72 Algae or other aquatic plants 0.001mg/L Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. E 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard A

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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	
zinc oxide	LOW (BCF = 217)	
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 Authority for disposal. Bury or incinerate residue at an approved site. Recycle containers if possible, or dispose of in an authorised landfill.

SECTION 14 Transport information

Labels Required

Marine Pollutant	
HAZCHEM	•3Z

Land transport (ADG)

Lanu transport (ADG)	
UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains zinc oxide)
Transport hazard class(es)	Class 9 Subrisk Not Applicable
Packing group	III

Environmental hazard	Environmentally hazardous

		074 004 005 075 ALIO4
	Special provisions	274 331 335 375 AU01
Special precautions for user	Limited quantity	5 L

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in;

(a) packagings;

(b) IBCs; or

(c) any other receptacle not exceeding 500 kg(L).
 Australian Special Provisions (SP AU01) - ADG Code 7th Ed.

Air transport (ICAO-IATA / DGR)

UN number	3082				
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. * (contains zinc oxide)				
Transport hazard class(es)	ICAO/IATA Class ICAO / IATA Subrisk ERG Code	9 sk Not Applicable 9L			
Packing group	III				
Environmental hazard	Environmentally hazardous				
Special precautions for user	Special provisions Cargo Only Packing Instructions Cargo Only Maximum Qty / Pack Passenger and Cargo Packing Instructions		A97 A158 A197 964 450 L 964		
	Passenger and Cargo Packing instructions Passenger and Cargo Maximum Qty / Pack		450 L		
	Passenger and Cargo Limited Quantity Packing Instructions		Y964		
	Passenger and Cargo	Limited Maximum Qty / Pack	30 kg G		

Sea transport (IMDG-Code / GGVSee)

UN number	3082		
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains zinc oxide)		
Transport hazard class(es)	IMDG Class 9 IMDG Subrisk Not Applicable		
Packing group	II		
Environmental hazard	Marine Pollutant		
Special precautions for user	EMS NumberF-A, S-FSpecial provisions274 335 969Limited Quantities5 L		

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

Not Applicable

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 Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) -Schedule 4 Australian Inventory of Industrial Chemicals (AIIC)

National Inventory Status

National Inventory	Status			
Australia - AIIC	Yes			
Australia Non-Industrial Use	No (zinc oxide)			
Canada - DSL	Yes			
Canada - NDSL	Yes			
China - IECSC	Yes			
Europe - EINEC / ELINCS / NLP	Yes			
Japan - ENCS	Yes			
Korea - KECI	Yes			
New Zealand - NZIoC	Yes			
Philippines - PICCS	Yes			

National Inventory	Status	
USA - TSCA	Yes	
Taiwan - TCSI	Yes	
Mexico - INSQ	Yes	
Vietnam - NCI	Yes	
Russia - ARIPS	Yes	
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)	

SECTION 16 Other information

Revision Date	25/08/2020
Initial Date	02/11/2016

SDS Version Summary

Version	Issue Date	Sections Updated
3.1.1.1	01/11/2019	One-off system update. NOTE: This may or may not change the GHS classification
4.1.1.1	25/08/2020	Acute Health (inhaled), Acute Health (skin), Acute Health (swallowed), Appearance, Chronic Health, Environmental, Handling Procedure, Ingredients, Physical Properties, Storage (storage incompatibility), Storage (storage requirement), Supplier Information, Transport Information, Use, Name

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
- 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

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