

Ardex (Ardex Australia)

Chemwatch: 5665-71 Version No: 2.1

Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements

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

Product Identifier

Product name	ARDEX SE Silicone	
Chemical Name	Not Applicable	
Synonyms	Not Available	
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains C14-30-alkylbenzene derivatives and 4,5-dichloro-2-octyl-3(2H)- isothiazolone)	
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	Chemical product for building, modernising and repairing.
Relevant Identified uses	Use according to manufacturer's directions.

Details of the manufacturer or supplier of the safety data sheet

Registered company name	Ardex (Ardex Australia)	
Address	20 Powers Road Seven Hills NSW 2147 Australia	
Telephone	1800 224 070	
Fax	1300 780 102	
Website	www.ardexaustralia.com	
Email	sales@ardexaustralia.com	

Emergency telephone number

Association / Organisation	Ardex (Ardex Australia)	
Emergency telephone numbers	1800 224 070 (Mon-Fri, 9am-5pm)	
Other emergency telephone numbers	Not Available	

SECTION 2 Hazards identification

Classification of the substance or mixture

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

Poisons Schedule	Not Applicable	
Classification ^[1]	Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1, Serious Eye Damage/Eye Irritation Category 2A, Specific Target Organ Toxicity - Single Exposure (Narcotic Effects) Category 3, Hazardous to the Aquatic Environment Acute Hazard Category 1, Hazardous to the Aquatic Environment Long-Term 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

Hazard pictogram(s)



Chemwatch Hazard Alert Code: 2

Issue Date: 21/03/2024

Print Date: 21/03/2024

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Signal word	Warning
Hazard statement(s)	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statement(s) Prevention

,	
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P261	Avoid breathing mist/vapours/spray.
P273	Avoid release to the environment.
P264	Wash all exposed external body areas thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary statement(s) Response

P302+P352	IF ON SKIN: Wash with plenty of water and soap.	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P312	P312 Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.	
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.	
P337+P313	If eye irritation persists: Get medical advice/attention.	
P362+P364	364 Take off contaminated clothing and wash it before reuse.	
P391	P391 Collect spillage.	
P304+P340	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.	

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.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
68855-24-3	10-<25	C14-30-alkylbenzene derivatives
8042-47-5	5-<10	white mineral oil (petroleum)
112945-52-5	5-<10	silica amorphous
17689-77-9	<2.5	ethyltriacetoxysilane
Not Available	<2.5	silane, proprietary
556-67-2	<0.1	octamethylcyclotetrasiloxane
64359-81-5	<0.1	4.5-dichloro-2-octyl-3(2H)-isothiazolone
Legend:	1. Classified by Chemwatch; 2. Clas Classification drawn from C&L * EU	sification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. IOELVs available

SECTION 4 First aid measures

Description of first aid measure	es 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 lif 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.

Continued...

ARDEX SE Silicone

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. Avoid giving milk or oils. Avoid giving alcohol.

Indication of any immediate medical attention and special treatment needed

Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be induced mechanically or pharmacologically. Mechanical means should be used if it is considered necessary to evacuate the stomach contents; these include gastric lavage after endotracheal intubation. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours. Treat symptomatically.

SECTION 5 Firefighting measures

Extinguishing media

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

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. 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.
	 Combustible. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers.

	Heating may cause expansion or decomposition leading to violent rupture of containers.
	 On combustion, may emit toxic fumes of carbon monoxide (CO).
	May emit acrid smoke.
	Mists containing combustible materials may be explosive.
Fire/Explosion Hazard	Combustion products include:
	carbon monoxide (CO)
	carbon dioxide (CO2)
	silicon dioxide (SiO2)
	other pyrolysis products typical of burning organic material.
	CARE: Water in contact with hot liquid may cause foaming and a steam explosion with wide scattering of hot oil and possible severe burns.
	Foaming may cause overflow of containers and may result in possible fire.
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. Place spilled material in clean, dry, sealed container. Flush spill area with water.
Major Spills	 Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by all means available, spillage from entering drains or water courses. Consider evacuation (or protect in place). No smoking, naked lights or ignition sources.

	Increase ventilation.
	Stop leak if safe to do so.
	Water spray or fog may be used to disperse / absorb vapour.
	Contain or absorb soill with sand, earth or verniculite.
	Contact recoverable product into labelled containers for recycling.
	 Collect recoverable product into labelled drums for disposal.
	 Wash area and prevent runoff into drains.
	 After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.
	If contamination of drains or waterways occurs, advise emergency services.
	Environmental hazard - contain spillage.
Personal Protective Equ	ipment advice is contained in Section 8 of the SDS.
SECTION 7 Handling	g and storage

Safe handling	The conductivity of this material may make it a static accumulator. A fliquid is typically considered non-conductive if its conductivity is below 100 00 pS/m. Whether a liquid is nonconductive or semi-conductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, and anti-static additives can great influence the conductivity of a liquid. * Containers, even those that have been emplied, may contain explosive vapours. * Do NOT cut, drill, grind, weld or perform similar operations on or near containers. * Electrostatic discharge may be generated during pumping - this may result in fire. * Ensure electrical continuity by bonding and grounding (earthing) all equipment. * Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (c=1 m/sec until fill pipe submerged to twice its diameter, then <= 7 m/sec). * Avoid splash filling. * Do NOT use compressed air for filling discharging or handling operations. * Wait 2 minutes after tank filling (for trans such as those on a maholes. * Wait 2 minutes after tank filling (for large storage tanks) * before opening hatches or manholes. * Wait 30 minutes after tank filling (for large storage tanks) * before opening hatches or manholes. * Wait 30 minutes after tank filling (for large storage tanks) * electrostatic discharge and ignition of flarmable * accumulate, electrostatic discharge and ignition of flarmable * accumulate, electrostatic discharge may give rise to additional hazards that result * operations that may give rise to additional hazards that result * operations, and mechanical movements. These activities may * electrostatic discharge e.g. spark formation. * optical charges. * Avoid splash filling, cleaning and filling of tanks and * occumulate, electrostatic discharge e.g. spark formation. * Restrict the event and the set of the
	 Observe manufacturers storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.
Other information	Observe manufacturer's storage and handling recommendations contained within this SDS.

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 strong acids, bases.

SECTION 8 Exposure controls / personal protection

Control parameters

- Occupational Exposure Limits (OEL)
- INGREDIENT DATA

/ersion No: 2.1			ARDEX SE Silicone			Print Date: 21/03/2		
	Source	Ingredient	Material name	TWA	STEL	Peak	Notes	
	Australia Exposure Standards	white mineral oil (petroleum)	Oil mist, refined mineral	5 mg/m3	Not Available	Not Available	Not Available	
	Australia Exposure Standards	silica amorphous	Silica - Amorphous: Precipitated silica	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 amorphous	Silica - Amorphous: Silica gel	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 amorphous	Silica - Amorphous: Diatomaceous earth (uncalcined)	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 amorphous	Silica - Amorphous: Fume (thermally generated)(respirable dust)	2 mg/m3	Not Available	Not Available	(e) Containing no asbestos and < 1% crystalline silica.	

Not

Not

Available

Available

Not Available

Not Available

Not

Not

Available

Available

2 mg/m3

0.05

mg/m3

Silica - Amorphous: Fumed silica

(respirable dust)

Silica, fused

silica amorphous

silica amorphous

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 Emergency	LIMITS	

Australia Exposure Standards

Australia Exposure Standards

Linergency Linits					
Ingredient	TEEL-1	TEEL-2		TEEL-3	
white mineral oil (petroleum)	140 mg/m3	1,500 mg/m3		8,900 mg/m3	
silica amorphous	18 mg/m3	200 mg/m3		1,200 mg/m3	
silica amorphous	18 mg/m3	100 mg/m3		630 mg/m3	
silica amorphous	120 mg/m3	1,300 mg/m3		7,900 mg/m3	
silica amorphous	45 mg/m3	500 mg/m3		3,000 mg/m3	
silica amorphous	18 mg/m3	740 mg/m3		4,500 mg/m3	
octamethylcyclotetrasiloxane	30 ppm	68 ppm		130 ppm	
Ingredient	Original IDLH		Revised IDLH		
C14-30-alkylbenzene derivatives	Not Available		Not Available		
white mineral oil (petroleum)	2,500 mg/m3		Not Available		
silica amorphous	3,000 mg/m3		Not Available		
ethyltriacetoxysilane	Not Available		Not Available		
octamethylcyclotetrasiloxane	Not Available		Not Available		
4,5-dichloro-2-octyl-3(2H)-	Not Available		Not Available		

Occupational Exposure Banding				
Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit		
ethyltriacetoxysilane	С	> 1 to \leq 10 parts per million (ppm)		
octamethylcyclotetrasiloxane	E	≤ 0.1 ppm		
4,5-dichloro-2-octyl-3(2H)- isothiazolone	E	≤ 0.1 ppm		
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 corresponding a group of exposure concentrations that are expected to protect worker health.			

MATERIAL DATA

isothiazolone

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. Employees exposed to confirmed human carcinogens should be authorized to do so by the employer, and work in a regulated area. Work should be undertaken in an isolated system such as a "glove-box". Employees should wash their hands and arms upon completion of the assigned task and before engaging in other activities not associated with the isolated system. Within regulated areas, the carcinogen should be stored in sealed containers, or enclosed in a closed system, including piping systems, with any sample ports or openings closed while the carcinogens are contained within. Open-vessel systems are prohibited. Each operation should be provided with continuous local exhaust ventilation so that air movement is always from ordinary work areas to the operation. Exhaust air should not be discharged to regulated areas, non-regulated areas or the external environment unless decontaminated. Clean make-up air should be introduced in sufficient volume to maintain correct operation of the local exhaust system. For maintenance and decontamination activities, authorized employees entering the area should be provided with and required to wear clean, i
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	 Except for outdoor systems, regulated areas should be maintained under negative pressure (with respect to non-regulated areas). Local exhaust ventilation requires make-up air be supplied in equal volumes to replaced air. Laboratory hoods must be designed and maintained so as to draw air inward at an average linear face velocity of 0.76 m/sec with a minimum of 0.64 m/sec. Design and construction of the fume hood requires that insertion of any portion of the employees body, other than hands and arms, be disallowed.
Individual protection measures, such as personal protective equipment	
Eye and face protection	 Safety glasses with side shields. Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent] Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59].
Skin protection	See Hand protection below
Hands/feet protection	 Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber 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.
Body protection	See Other protection below
Other protection	 Employees working with confirmed human carcinogens should be provided with, and be required to wear, clean, full body protective clothing (smocks, coveralls, or long-sleeved shirt and pants), shoe covers and gloves prior to entering the regulated area. [AS/NZS ISO 6529:2006 or national equivalent] Employees engaged in handling operations involving carcinogens should be provided with, and required to wear and use half-face filter-type respirators with filters for dusts, mists and fumes, or air purifying canisters or cartridges. A respirator affording higher levels of protection may be substituted. [AS/NZS 1715 or national equivalent] Emergency deluge showers and eyewash fountains, supplied with potable water, should be located near, within sight of, and on the same level with locations where direct exposure is likely. Prior to each exit from an area containing confirmed human carcinogens, employees should be required to remove and leave protective clothing and equipment at the point of exit and at the last exit of the day, to place used clothing and equipment in impervious containers at the point of exit for purposes of decontamination or disposal. The contents of such impervious containers must be identified with suitable labels. For maintenance and decontamination activities, authorized employees entering the area should be provided with and required to wear clean, impervious garments, including gloves, boots and continuous-air supplied hood. Prior to removing protective garments the employee should undergo decontamination and be required to shower upon removal of the garments and hood. Overalls. P.V.C apron. Barrier cream. Skin cleansing cream. Eye wash unit.

Respiratory protection

Type AK-P 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	AK-AUS P3	-	AK-PAPR-AUS / Class 1 P3
up to 50 x ES	-	AK-AUS / Class 1 P3	-
up to 100 x ES	-	AK-2 P3	AK-PAPR-2 P3 ^

^ - 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)

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Coloured pasty liquid with pungent or acidic odour; does not mix with water.				
Physical state	Free-flowing Paste	Relative density (Water = 1)	1.03 @20C		
Odour	Not Available	Partition coefficient n-octanol / water	Not Available		
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available		
pH (as supplied)	Not Applicable	Decomposition temperature (°C)	Not Available		
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available		
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable		

Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	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)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Immiscible	pH as a solution (1%)	Not Applicable
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

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	Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by narcosis, reduced alertness, loss of reflexes, lack of coordination and vertigo.
	Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be damaging to the health of the individual.
	Acute effects from inhalation of high concentrations of vapour are pulmonary irritation, including coughing, with nausea; central nervous system depression - characterised by headache and dizziness, increased reaction time, fatigue and loss of co-ordination Central nervous system (CNS) depression may include nonspecific discomfort, symptoms of giddiness, headache, dizziness, nausea, anaesthetic effects, slowed reaction time, slurred speech and may progress to unconsciousness. Serious poisonings may result in respiratory depression and may be fatal.
Inhaled	Inhalation of oil droplets/ aerosols may cause discomfort and may produce chemical pneumonitis. The acute toxicity of inhaled alkylbenzene is best described by central nervous system depression. These compounds may also act as general anaesthetics. Whole body symptoms of poisoning include light-headedness, nervousness, apprehension, a feeling of well-being, confusion, dizziness, drowsiness, ringing in the ears, blurred or double vision, vomiting and sensations of heat, cold or numbness, twitching, tremors, convulsions, unconsciousness, depression of breathing, and arrest. Heart stoppage may result from cardiovascular collapse. A slow heart rate and low blood pressure may also occur.
	Alkylbenzenes are not generally toxic except at high levels of exposure. Their breakdown products have low toxicity and are easily eliminated from the body.
	Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritant and then repairing the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens, may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the lungs. Respiratory tract irritation often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system.
Ingestion	Swallowing of the liquid may cause aspiration of vomit into the lungs with the risk of haemorrhaging, pulmonary oedema, progressing to chemical pneumonitis; serious consequences may result. Signs and symptoms of chemical (aspiration) pneumonitis may include coughing, gasping, choking, burning of the mouth, difficult breathing, and bluish coloured skin (cyanosis). Accidental ingestion of the material may be damaging to the health of the individual.
Skin Contact	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 Repeated exposure may cause skin cracking, flaking or drying following normal handling and use. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds 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	Evidence exists, or practical experience predicts, that the material may cause eye irritation in a substantial number of individuals and/or may 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 windburn) of the conjunctiva (conjunctivitis); temporary impairment of vision and/or other transient eye damage/ulceration may occur.
Chronic	Practical experience shows that skin contact with the material is capable either of inducing a sensitisation reaction in a substantial number of individuals, and/or of producing a positive response in experimental animals. Substances that can cause occupational asthma (also known as asthmagens and respiratory sensitisers) can induce a state of specific airway hyper-responsiveness via an immunological, irritant or other mechanism. Once the airways have become hyper-responsive, further exposure to the substance, sometimes even to tiny quantities, may cause respiratory symptoms. These symptoms can range in severity from a runny nose to asthma. Not all workers who are exposed to a sensitiser will become hyper-responsive and it is impossible to identify in advance who are likely to become hyper-responsive. Substances than can cuase occupational asthma should be distinguished from substances which may trigger the symptoms of asthma in people

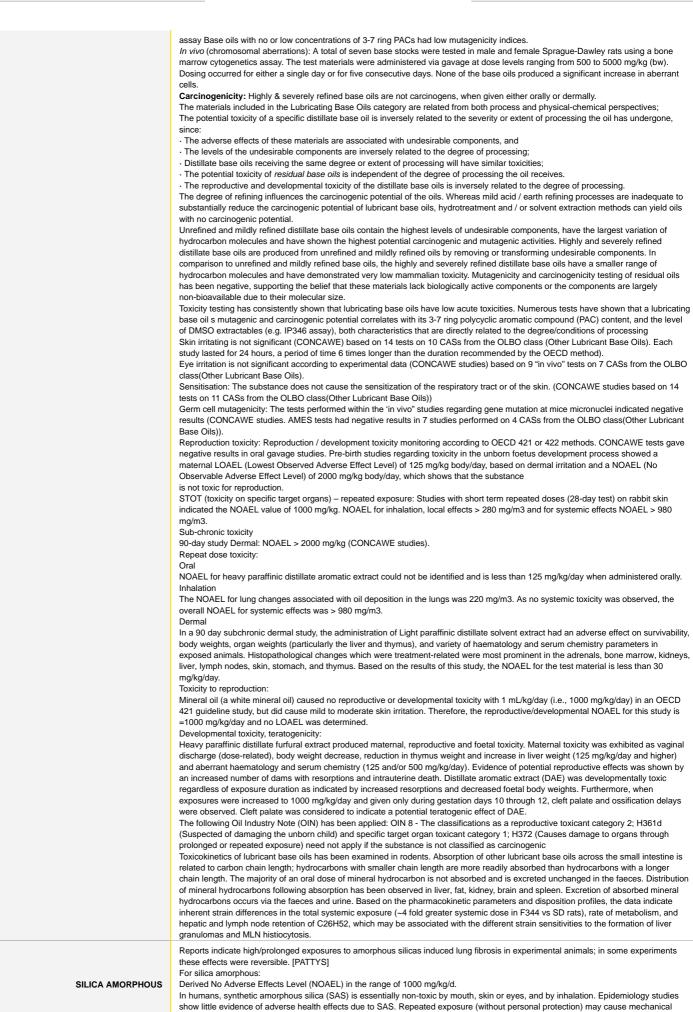
ethyltriacetoxysilane	TOXICITY Oral (Rat) LD50: 1460 mg/kg ^[1] TOXICITY Dermal (rabbit) LD50: 754.3 mg/kg ^[2] Inhalation (Rat) LC50: 36 mg/L4h ^[2] Oral (Rat) LD50: 1540 mg/kg ^[2]	Interference Not Available IRRITATION Eye (rabbit): 500 mg/24h - mild Eye: no adverse effect observed (not irritating) ^[1] Skin (rabbit): 500 mg/24h - mild
ethyltriacetoxysilane	Oral (Rat) LD50: 1460 mg/kg ^[1] TOXICITY Dermal (rabbit) LD50: 754.3 mg/kg ^[2]	Not Available IRRITATION Eye (rabbit): 500 mg/24h - mild
ethyltriacetoxysilane	Oral (Rat) LD50: 1460 mg/kg ^[1]	Not Available IRRITATION
ethyltriacetoxysilane	Oral (Rat) LD50: 1460 mg/kg ^[1]	Not Available
ethyltriacetoxysilane		
		IRRITATION
		Skin: no adverse effect observed (not irritating) ^[1]
	Oral (Rat) LD50: >1000 mg/kg ^[1]	Skin (rabbit): non-irritating *
silica amorphous	Inhalation (Rat) LC50: >0.09<0.84 mg/l4h ^[1]	Eye: no adverse effect observed (not irritating) ^[1]
	dermal (rat) LD50: >2000 mg/kg ^[1]	Eye (rabbit): non-irritating ** [Grace]
	ΤΟΧΙΟΙΤΥ	IRRITATION
	Oral (Rat) LD50: >5000 mg/kg ^[2]	Skin: no adverse effect observed (not irritating) ^[1]
(, , , , , , , , , , , , , , , , , , ,	Inhalation (Rat) LC50: >4.5 mg/l4h ^[1]	Skin: adverse effect observed (irritating) ^[1]
white mineral oil (petroleum)	Dermal (rabbit) LD50: >2000 mg/kg ^[1]	Eye: no adverse effect observed (not irritating) ^[1]
	ΤΟΧΙΟΙΤΥ	IRRITATION
	Oral (Rat) LD50: >15800 mg/kg ^[2]	Skin (rabbit): 500 mg/24h - mod
derivatives	Dermal (rabbit) LD50: >7940 mg/kg ^[2]	Eye (rabbit): 100 mg/24 h - mild
C14-30-alkylbenzene	TOXICITY	IRRITATION
	Not Available	Not Available
ARDEX SE Silicone	ΤΟΧΙΟΙΤΥ	IRRITATION
	· · · · · · · · · · · · · · · · · · ·	
	should be appropriate consultation with an occupational healt The synthetic, amorphous silicas are believed to represent a considered to be nuisance dusts. When heated to high temperature and a long time, amorphou crystalline silicas may lead to silicosis, a disabling pulmonary showing that fibrosis associated with chronic exposure to and diatomaceous earth (a non-synthetic silica commonly used in contamination by crystalline silica content Repeated exposure to synthetic amorphous silicas may produ Available data confirm the absence of significant toxicity by o Numerous repeated-dose, subchronic and chronic inhalation concentrations ranging from 0.5 mg/m3 to 150 mg/m3. Lowes mg/m3. When available, the no-observed adverse effect level particle size, and therefore the number of particles administer LOAEL. Exposure produced transient increases in lung inflam interstitial pulmonary fibrosis.	, .

	For the family of linear alkyl still bottoms: • Oral (rat) LD50 1360-15800 mg/kg
	 Dermal (rabbit) LD50 630-2010 mg/kg; (rat): 4300-5000 mg/kg
	· Inhalation (rat) LC50 (mg/m3): 36000 (1 hr)
	· Skin Irritation: rabbit slight (4 h); mild 24 h
	· Eye (rabbit): slight
	· Respiratory sensitiser (in humans) N
C14-30-ALKYLBENZENE DERIVATIVES	· Skin sensitisation N
	Evaluation of Alkyl benzene distillation bottoms (HAB): International Maritime Organisation IMO - July 2006 (Proposed for inclusion of
	the IBC Code) BLG Working Group on the Evaluation of Safety and Pollution Hazards of Chemicals
	Data demonstrate that during inhalation exposure, aromatic hydrocarbons undergo substantial partitioning into adipose tissues.
	Following cessation of exposure, the level of aromatic hydrocarbons in body fats rapidly declines. Thus, the aromatic hydrocarbons are
	unlikely to bioaccumulate in the body. Selective partitioning of the aromatic hydrocarbons into the non-adipose tissues is unlikely. No
	data is available regarding distribution following dermal absorption. However, distribution following this route of exposure is likely to

	resemble the pattern occurring with inhibition exposure. Aromatics hydrocarbons may undergo several different Phase I dealkylation, hydroxylation and oxidation reactions which may or may not be followed by Phase III conjugation to glycine, sulfation or glycuronidation. However, the major predominant biotransformation pathway is hydroxyl aroup to a carboxylic acid; 3) the carboxylic acid is then conjugated with glycine to form a hippuir acid. The minor metabolites cancer the expected to consist of a complexit rule indoxing own metabolites of methyloenzyl alcohos, dimethylbenzoic acids and dimethylippuir acids. Consistent with the low propensity for bioisocumulation of aromatic hydrocarbons, these subtances are likely to be significant inducers of their own metabolites. The predominant route of excretion of a metabolites. When oral administration occurs, there is Ittle exhalation of unmetabolized parent compound, or urinary excretion of its metabolites. When oral administration occurs, there is Ittle exhalation of unmetabolized these hydrocarbons, presumably due to the first pass effect in the liver. Under these circumstances, urinary excretion of metabolites is the dominant route of excretion. For linear alkybenzenes (LABB) Linear alkybenzenes (LABB) Linear alkybenzenes (LABB) Linear alkybenzenes circumstances are not acutely toxic. Data from repeat exposure, reproductive and genotoxicity studies also indicate a low potential for toxic effects. The levels of both consumer and occupational exposure are expected to be vary low based on their physical and chemical properties, use and handing patterns Linear alkyl brains. Thes, LAB is unicets, particularly, in face of the uncertainties introduced by the design of the study. Toxicohinetics and Metabolism: Metabolism on linear alkyl chains includes conversion of the terminal carbon so finear alkyl chains. LAB and linear alkylbenzenes are alkylbenzenes as a substrate for acy/CAA synthetase, and the resulting acy/CAA enters the beta-oxidation pathway. Metabolism and bio
WHITE MINERAL OIL (PETROLEUM)	 Oral (rat) TCLo: 32000 mg/kg/92D-Cont. Generally the toxicity and irritation is of low order. White oils and highly/solvent refined oils have not shown the long term risk of skin cancer that follows persistent skin contamination with some other mineral oils, due in all probability to refining that produces low content of both polyaromatics (PAH) and benz-alpha-pyrenes (BaP) Highly and Severely Refined Distillate Base Oils Acute toxicity: Multiple studies of the acute toxicity of highly & severely refined base oils have been reported. Irrespective of the crude source or the method or extent of processing, the oral LD50s have been observed to be >5 g/kg (bw) and the dermal LD50s have ranged from >2 to >5g/kg (bw). The LC50 for inhalation toxicity ranged from 2.18 mg/l tos 4 mg/l. When tested for skin and eye irritation, the materials have been reported as "non-irritating" to "moderately irritating" Repeat dose toxicity: Several studies have been conducted with these oils. The weight of evidence from all available data on highly & severely refined base oils support the presumption that a distillate base oil s toxicity is inversely related to the degree of processing it receives. Adverse effects have been reported with even the most severely refined white oils - these appear to depend on animal species and/ or the peculiarities of the study. The tranulomatous lesions induced by the oral administration of white oils are essentially foreign body responses. The lesions occur only in rats, of which the Fischer 344 strain is particularly sensitive, The testicular effects seen in rabbits after dermal administration, and The accumulation of foamy macrophages in the alveolar spaces of rats exposed repeatedly via inhalation to high levels of highly to severely refined base oils is not unique to these oils, but would be seen after exposure to many water insoluble materials. Reproductive and developmental toxicity: A highly refined base oil was u

Genotoxicity:

In vitro (mutagenicity): Several studies have reported the results of testing different base oils for mutagenicity using a modified Ames



irritation of the eye and drying/cracking of the skin.

Continued...

	 When experimental animals inhale synthetic amorphous silica (SAS) dust, it dissolves in the lung fluid and is rapidly eliminated. If swallowed, the vast majority of SAS is excreted in the faces and there is little accumulation in the body. Following absorption across the gut, SAS is eliminated via urine without modification in animals and humans. SAS is not expected to be broken down (metabolised) in marmals. After ingestion, there is limited accumulation of SAS in body tissues and rapid elimination occurs. Intestinal absorption has not been calculated, but appears to be insignificant in animals and humans. SASs injected subcutaneously are subjected to rapid dissolution and removal. There is no indication of metabolism of SAS in animals or humans based on chemical structure and available data. In contrast to crystalline silica, SAS is soluble in physiological media and the soluble chemical species that are formed are eliminated via the unary tract without modification. Both the marmmalian and environmental toxicology of SASs are significantly influenced by the physical and chemical properties, particularly those of solubility and particle size. SAA has no acute intrinsic toxicity by inhalation. Adverse effects, including suffication, that have been reported were caused by the presence of high numbers of respirable particles generated to meet the required test atmosphere. These results are not representative of exposure to commercial SASs is not a should on bue used for human risk assessment. Though repeated exposure of the skin may cause dynese and cracking, SAS is not a should not used to trapid elimination of SAS is not subcurate. Repeated dose, subchronic and chronic inhalation toxicity studies have been conducted with SAS in a number of species, at afrome concentrations ranging from 0.5 mg/m3 to 150 mg/m3. Lowest-observed daverse effect levels (LOAELs) were bytically in the range of 1 to 50 mg/m3. When available, the no-observed adverse effects revels.
ETHYLTRIACETOXYSILANE	 Unlike most organs, the lung can respond to a chemical insult of a chemical agent, by inst removing of neutralising the initial report of a chemical insult of a chemical agent, by inst removing of neutralising the initial report repairing the damage (inflammation of the lungs may be a consequence). The repair process (which initially developed to protect mammalian lungs from foreign matter and antigens) may, however, cause further damage to the lungs (fibrosis for example) when activated by hazardous chemicals. Often, this results in an impairment of gas exchange, the primary function of the lungs. Therefore prolonged exposure to respiratory irritants may cause sustained breathing difficulties. No data of toxicological significance identified in literature search.
OCTAMETHYLCYCLOTETRASILOXANE	Does not cause skin sensitization Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Remarks: Based on test data Test Type: Mutagenicity (in vitro mammalian cytogenetic test) Result: negative Remarks: Based on test data Test Type: Chromosome aberration test in vitro Result: negative Remarks: Based on test data Test Type: In vitro sister chromatid exchange assay in mammalian cells (negative Remarks: Based on test data Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro) Result: negative Remarks: Based on test data Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Rat Application Route: inhalation (vapor) Result: negative Remarks: Based on test data Test Type: Rodent dominant lethal test (germ cell) (in vivo) Species: Rat Application Route: Ingestion Result: negative Remarks: Based on test data Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects Effects on fertility : Test Type: Two-generation reproduction toxicity study Species: Rat, male and female Application Route: Inhalation (vapor) Symptoms: Effects on fertility. Remarks: Based on test data Effects on fetal development : Test Type: Prenatal development. Remarks: Based on test data Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility, based on animal experiments. STOT-single exposure May cause damage to organs (Eyes, Central nervous system Routes of exposure: Ingestion Assessment: No significant health effects observed in animals at concentrations of 100 mg/kg bw or less. Results from a 2 year repeated vapor inhalation exposure study to rats of actamethylcyclotetrasiloxane (D4) indicate effects (benign uterine adenomas) in the uterus of female animals. This finding occurred at the highest exposure dose (700 ppm) only. Studies to date have not demonstrated if these effects occur through pathways that are relevant to humans. Repeated expos
4,5-DICHLORO-2-OCTYL-3(2H)- ISOTHIAZOLONE	Guinea Pig Assay: causes sensitisation * Did not show teratogenic effects in animal experiments. * Not mutagenic * *Rohm and Haas MSDS Rozone 2000 Mildewcide The following information refers to contact allergens as a group and may not be specific to this product. Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Other allergic skin reactions, e.g. contact urticaria, involve antibody-mediated immune reactions. The significance of the contact allergen is not simply determined by its sensitisation potential: the distribution of the substance and the opportunities for contact with it are equally important. A weakly sensitising substance which is widely distributed can be a more important allergen than one with stronger sensitising potential with which few individuals come into contact. From a clinical point of view, substances are noteworthy if they produce an allergic test reaction in more than 1% of the persons tested.
C14-30-ALKYLBENZENE DERIVATIVES & ETHYLTRIACETOXYSILANE & 4,5-DICHLORO-2-OCTYL-3(2H)-	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

ISOTHIAZOLONE		onset of persistent asthma-like symptoms within minutes to hours of a documente of RADS include a reversible airflow pattern on lung function tests, moderate to so challenge testing, and the lack of minimal lymphocytic inflammation, without eosir inhalation is an infrequent disorder with rates related to the concentration of and c other hand, industrial bronchitis is a disorder that occurs as a result of exposure d particles) and is completely reversible after exposure ceases. The disorder is cha production.	evere bronchial hyperreactivity on methacholine hophilia. RADS (or asthma) following an irritating luration of exposure to the irritating substance. On the lue to high concentrations of irritating substance (often		
C14-30-ALKYLBENZENE DERIVATIVES & OCTAMETHYLCYCLOTETRASILOXANE		The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.			
C14-30-ALKYLBENZENE DERIVATIVES & ETHYLTRIACETOXYSILANE		The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling the epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis.			
WHITE MINERAL OIL (PETROL SILICA AMOR		The substance is classified by IARC as Group 3: NOT classifiable as to its carcinogenicity to humans. Evidence of carcinogenicity may be inadequate or limited in animal testing.			
Acute Toxicity	×	Carcinogenicity	×		
Skin Irritation/Corrosion	~	Reproductivity	×		
Serious Eye Damage/Irritation	~	STOT - Single Exposure	✓		
Respiratory or Skin sensitisation	*	STOT - Repeated Exposure	×		
Mutagenicity	×	Aspiration Hazard	×		
		Legend: 🗙 – Data either i	not available or does not fill the criteria for classification		

Data either not available or does not fil
 Data available to make classification

SECTION 12 Ecological information

Toxicity

icity					
	Endpoint	Test Duration (hr)	Species	Value	Source
ARDEX SE Silicone	Not Available	Not Available	Not Available	Not Available	Not Available
C14-30-alkylbenzene derivatives	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Species Value	
white mineral oil (petroleum)	LC50	96h	Fish	>10000mg/l	. 2
	Endpoint	Test Duration (hr)	Species	Species Value	
silica amorphous	EC50	48h	Crustacea	>86mg/l	2
	EC50	96h	Algae or other aquatic pla	ants 217.576mg/l	2
	EC50	72h	Algae or other aquatic pla	ants 14.1mg/l	2
	EC0(ECx)	24h	Crustacea	Crustacea >=10000mg/l	
	LC50	96h	Fish	Fish 1033.016mg/l	
	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	48h	Crustacea	62mg/l	2
- 4 h - 1 k + i + 4 + i k +	EC50	72h	Algae or other aquatic	plants 23.03mg/	1 2
ethyltriacetoxysilane	EC50	96h	Algae or other aquatic plants 1200mg/l		2
	NOEC(ECx)	504h	Crustacea >=10mg/l		2
	LC50	96h	Fish	79-88mg/	1 2
	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	48h	Crustacea	>0.015mg/L	2
ctamethylcyclotetrasiloxane	EC50	96h	Algae or other aquatic plan	nts >0.022mg/L	2
	NOEC(ECx)	96h	Algae or other aquatic plan	nts <0.001-0.029mg/	1 4
	LC50	96h	Fish	Fish >0.006mg/L	
	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	48h	Crustacea	0.005mg/l	Not Availabl
4,5-dichloro-2-octyl-3(2H)-	EC50	96h	Algae or other aquatic plar	nts 0.002-0.01mg/L	4
isothiazolone	EC50(ECx)	48h	Crustacea	0.005mg/l	Not Availabl
	EC50	72h	Algae or other aquatic plar		4

	LC50	96h	Fish	0.003mg/l	Not Available
Legend:	Ecotox databas	, , ,	ered Substances - Ecotoxicological Information - azard Assessment Data 6. NITE (Japan) - Bioco	, ,	,

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
silica amorphous	LOW	LOW
ethyltriacetoxysilane	HIGH	HIGH
octamethylcyclotetrasiloxane	HIGH	HIGH
4,5-dichloro-2-octyl-3(2H)- isothiazolone	HIGH	HIGH

Bioaccumulative potential

Ingredient	Bioaccumulation
silica amorphous	LOW (LogKOW = 0.5294)
ethyltriacetoxysilane	LOW (LogKOW = 0.7378)
octamethylcyclotetrasiloxane	HIGH (BCF = 12400)
4,5-dichloro-2-octyl-3(2H)- isothiazolone	HIGH (LogKOW = 4.7295)

Mobility in soil

Ingredient	Mobility
silica amorphous	LOW (Log KOC = 23.74)
ethyltriacetoxysilane	LOW (Log KOC = 69.91)
octamethylcyclotetrasiloxane	LOW (Log KOC = 17960)
4,5-dichloro-2-octyl-3(2H)- isothiazolone	LOW (Log KOC = 5796)

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)

Eand transport (/ 120)			
14.1. UN number or ID number	3082		
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains C14-30-alkylbenzene derivatives and 4,5-dichloro-2-octyl-3(2H)- isothiazolone)		
14.3. Transport hazard class(es)	Class Subsidiary Hazard	9 Not Applicable	

14.4. Packing group	ш	
14.5. Environmental hazard	Environmentally hazardous	
14.6. Special precautions for	Special provisions	274 331 335 375 AU01
user	Limited quantity	5L

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)

14.1. UN number	3082			
14.2. UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (contains C14-30-alkylbenzene derivatives and 4,5-dichloro-2-octyl-3(2H)-isothiazolone)			
	ICAO/IATA Class	9		
14.3. Transport hazard class(es)	ICAO / IATA Subsidiary Hazard	Not Applicable		
01000(00)	ERG Code	9L		
14.4. Packing group	Ш			
14.5. Environmental hazard	Environmentally hazardous			
	Special provisions		A97 A158 A197 A215	
	Cargo Only Packing Instructions		964	
14.6. Special precautions for user	Cargo Only Maximum Qty / Pack		450 L	
	Passenger and Cargo Packing Instructions		964	
	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)

14.1. UN number	3082			
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains C14-30-alkylbenzene derivatives and 4,5-dichloro-2-octyl-3(2H)- isothiazolone)			
14.3. Transport hazard class(es)	IMDG Class IMDG Subsidiary Hazard	9 Not Applicable		
14.4. Packing group	II			
14.5 Environmental hazard	Marine Pollutant			
14.6. Special precautions for user		A , S-F 4 335 969		
	Limited Quantities 5 L	-		

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

 C14-30-alkylbenzene derivatives
 Not Available

 white mineral oil (petroleum)
 Not Available

 silica amorphous
 Not Available

 ethyltriacetoxysilane
 Not Available

 octamethylcyclotetrasiloxane
 Not Available

 4,5-dichloro-2-octyl-3(2H)isothiazolone
 Not Available

14.7.3. Transport in bulk in accordance with the IGC Code

Product name	Ship Type
C14-30-alkylbenzene derivatives	Not Available
white mineral oil (petroleum)	Not Available
silica amorphous	Not Available
ethyltriacetoxysilane	Not Available
octamethylcyclotetrasiloxane	Not Available

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ARDEX SE Silicone

Product name	Ship Type		
4,5-dichloro-2-octyl-3(2H)- isothiazolone	Not Available		
SECTION 15 Regulatory info	ormation		
Safety, health and environmen	tal regulations / legislation specific for the substance or mixture		
C14-30-alkylbenzene derivatives	is found on the following regulatory lists		
Australia Standard for the Uniform S Australian Inventory of Industrial Ch	Scheduling of Medicines and Poisons (SUSMP) - Schedule 7 nemicals (AIIC)		
white mineral oil (petroleum) is for	ound on the following regulatory lists		
Australian Inventory of Industrial Ch	hemicals (AIIC)		
Chemical Footprint Project - Chemi	•		
• •	on Cancer (IARC) - Agents Classified by the IARC Monographs		
• ·	on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic		
-			
silica amorphous is found on the	e following regulatory lists		
Australia Hazardous Chemical Infor	rmation System (HCIS) - Hazardous Chemicals		
	afety Regulations - Hazardous chemicals (other than lead) requiring health monitoring		
Australian Inventory of Industrial Ch			
Chemical Footprint Project - Chemi	cais of High Concern List on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic		
• •	d Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)		
ethyltriacetoxysilane is found on	the following regulatory lists		
Australian Inventory of Industrial Chemicals (AIIC)			
octamethylcyclotetrasiloxane is found on the following regulatory lists			
Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals			
Australian Inventory of Industrial Ch	• • •		
Chemical Footprint Project - Chemicals of High Concern List			
4,5-dichloro-2-octyl-3(2H)-isothia	azolone is found on the following regulatory lists		
Australia Hazardous Chemical Info	rmation System (HCIS) - Hazardous Chemicals		
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 6			
Australian Inventory of Industrial Ch	hemicals (AIIC)		
Additional Regulatory Informat Not Applicable	tion		
National Inventory Status			
National Inventory	Status		

National Inventory	Status Yes		
Australia - AIIC / Australia Non-Industrial Use			
Canada - DSL	No (4,5-dichloro-2-octyl-3(2H)-isothiazolone)		
Canada - NDSL	No (C14-30-alkylbenzene derivatives; white mineral oil (petroleum); ethyltriacetoxysilane; octamethylcyclotetrasiloxane)		
China - IECSC	Yes		
Europe - EINEC / ELINCS / NLP	Yes		
Japan - ENCS	No (C14-30-alkylbenzene derivatives)		
Korea - KECI	Yes		
New Zealand - NZIoC	Yes		
Philippines - PICCS	Yes		
USA - TSCA	Yes		
Taiwan - TCSI	Yes		
Mexico - INSQ	No (C14-30-alkylbenzene derivatives; ethyltriacetoxysilane)		
Vietnam - NCI	Yes		
Russia - FBEPH	No (C14-30-alkylbenzene derivatives; 4,5-dichloro-2-octyl-3(2H)-isothiazolone)		
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	21/03/2024
Initial Date	21/03/2024

SDS Version Summary

Version	Date of Update	Sections Updated
2.1	21/03/2024	Hazards identification - Classification, Ecological Information - Environmental

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
 OSE: Odour Safety Eact
- OSF: Odour Safety Factor
 NOAEL: No Observed Advert
- 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
- 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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