

Ardex (Ardex Australia)

Chemwatch Hazard Alert Code: 4

Chemwatch: **5390-23** Version No: **4.1** Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements Issue Date: **10/03/2023** Print Date: **26/07/2023** L.GHS.AUS.EN.E

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

Product Identifier

Product name	Ardex WPM 300 - Part B
Chemical Name	Not Applicable
Synonyms	Not Available
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains bisphenol A/ diglycidyl ether resin, liquid)
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 Pa

uses Part B of a two component water-based epoxy waterproofing coating.

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	technicalservices@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.

Chemwatch Hazard Ratings

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

Poisons Schedule	S5
Classification ^[1]	Skin Corrosion/Irritation Category 2, Sensitisation (Skin) Category 1, Serious Eye Damage/Eye Irritation Category 2A, Germ Cell Mutagenicity Category 2, Carcinogenicity Category 1A, Hazardous to the Aquatic Environment Long-Term Hazard Category 2
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

Label elements



Hazard statement(s)

()	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statement(s) Prevention

P201	Obtain special instructions before use.
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

P308+P313	IF exposed or concerned: Get medical advice/ attention.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.

Precautionary statement(s) Storage

P405 Store locked up.

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
25068-38-6	10-30	bisphenol A/ diglycidyl ether resin, liquid
1332-58-7	10-30	kaolin
2210-79-9	1-10	cresyl glycidyl ether
Not Available	30-60	Ingredients determined not to be hazardous
Legend:	1. Classified by Chernwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. Classification drawn from C&L * EU IOELVs available	

SECTION 4 First aid measures

Description of first aid 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	 For advice, contact a Poisons Information Centre or a doctor at once. Urgent hospital treatment is likely to be needed. 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. Transport to hospital or doctor without delay.

Indication of any immediate medical attention and special treatment needed

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 in the event of a fire. Prevent, by any means available, spillage from entering drains or water courses. Use fire fighting procedures suitable for surrounding area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use. 			
Fire/Explosion Hazard	 Non combustible. Not considered a significant fire risk, however containers may burn. Decomposes on heating and produces: carbon dioxide (CO2) other pyrolysis products typical of burning organic material. 			
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 breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable, labelled container for waste disposal.
Major Spills	 Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. 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. Collect recoverable product into labelled containers for recycling. Neutralise/decontaminate residue (see Section 13 for specific agent). Collect solid residues and seal in 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 Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

Precautions for safe handling	
Safe handling	 DO NOT allow clothing wet with material to stay in contact with skin Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with moisture. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Use good occupational work practice. Observe manufacturer's 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	 Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.

Conditions for safe storage, including any incompatibilities

Suitable container	 Polyethylene or polypropylene container. Packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.
Storage incompatibility	 Avoid cross contamination between the two liquid parts of product (kit). If two part products are mixed or allowed to mix in proportions other than manufacturer's recommendation, polymerisation with gelation and evolution of heat (exotherm) may occur. This excess heat may generate toxic vapour Avoid reaction with amines, mercaptans, strong acids and oxidising agents

SECTION 8 Exposure controls / personal protection

Not Available

Not Available

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA						
Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	kaolin	Kaolin	10 mg/m2	Not	Not	(a) This value is for inhalable dust containing no asbestos and <

	·	mg/m3	Available	Available	1% crystallin	e silica.	
l	Emergency Limits						
	Ingredient	TEEL-1	TEEL-2			TEEL-3	
	bisphenol A/ diglycidyl ether resin, liquid	90 mg/m3	990 mg/m3			5,900 mg/m3	
	Ingredient	Original IDLH		1	Revised IDLH		
	bisphenol A/ diglycidyl ether resin, liquid	Not Available		1	Not Available		

Not Available

Not Available

Occupational Exposure Banding

cresyl glycidyl ether

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit		
bisphenol A/ diglycidyl ether resin, liquid	E	≤ 0.1 ppm		
cresyl glycidyl ether	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 corresponds to a range of exposure concentrations that are expected to protect worker health.			

MATERIAL DATA

kaolin

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.
-------------------------------------	--

	 Note: Depending on the activity being conducted, gloves of varying thickness may be required for specific tasks. For example: Thinner gloves (down to 0.1 mm or less) may be required where a high degree of manual dexterity is needed. However, these gloves are only likely to give short duration protection and would normally be just for single use applications, then disposed of. Thicker gloves (up to 3 mm or more) may be required where there is a mechanical (as well as a chemical) risk i.e. where there is abrasion or puncture potential 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. When handling liquid-grade epoxy resins wear chemically protective gloves , boots and aprons. The performance, based on breakthrough times, of: Ethyl Vinyl Alcohol (EVAL laminate) is generally excellent Butyl Rubber ranges from excellent to gato Nitrile Butyl Rubber (NBR) from excellent to fair. Neoprene from excellent to fair Polyvinyl (PVC) from excellent to poor As defined in ASTM F-739-96 Excellent breakthrough time > 480 min Good breakthrough time > 20 min Fair breakthrough time > 20 min Poor glove material degradation Gloves should be tested against each resin system prior to making a selection of the most suitable type. Systems include both the resin and any hardener, individually and collectively) DO NOT use cotton or leather (which absorb and concentrate the resin), natural rubber (latex), medical or polyethylene gloves (which absorb the resin). Do NOT use barrier creams containing emulsified fats and oils as these may absorb the resin; silicone-based barrier creams should be reviewed prior to use. Replacement time should be considered when selecting the most appropriate glove. It may be more effective to select a glove with lower chemi
Body protection	See Other protection below
Other protection	 Overalls. P.V.C apron. Barrier cream. Skin cleansing cream. Eye wash unit.

Respiratory protection

Type A-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	A-AUS P2	-	A-PAPR-AUS / Class 1 P2
up to 50 x ES	-	A-AUS / Class 1 P2	-
up to 100 x ES	-	A-2 P2	A-PAPR-2 P2 ^

^ - Full-face

A(AII 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)

+ 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	Off-white viscous liquid with mild epoxy odour; emulsifies with water.			
Physical state	Liquid	Relative density (Water = 1)	1.26	
Odour	Not Available	Partition coefficient n-octanol / water	Not Available	
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Applicable	
pH (as supplied)	8	Decomposition temperature (°C)	Not Available	
Melting point / freezing point (°C)	Not Applicable	Viscosity (cSt)	Not Available	
Initial boiling point and boiling range (°C)	~100	Molecular weight (g/mol)	Not Applicable	
Flash point (°C)	Not Applicable	Taste	Not Available	
Evaporation rate	Not Available	Explosive properties	Not Available	
Flammability	Not Applicable	Oxidising properties	Not Available	
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Available	
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Available	

Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (1%)	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

	Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be damaging to the health	
Inhaled	of the individual.	
Ingestion	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 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	Stong evidence exists that the substance may cause irreversible but non-lethal mutagenic effects following a single exposure. Practical experience shows that skin contact with the material is capable either of inducing a sensitiation 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 sensitiesr) can induce a state of specific airway hyper-responsive. State are exposed to a sensitiser will become hyper-responsive and rule receptors hyper-teresponsive, further exposure to become hyper-responsive. Substances than can cuase occupational asthma should be distinguished from substances which may trigger the symptoms of asthma in people with pre-visiting airway hyper-responsiveness. The latter substances are not classified as asthmagens or respiratory sensitiesr: Wherever it is reasonably practicable, exposure to substances that can cuase occupational asthma should be prevented. Where this is not possible the primary aim is to apply adequate standards of control to prevent workers from becoming hyper-responsive. Attivities giving rise to short-term peak concentrations should receive particular attention when risk management is being considered. Health the absence of toxie effects, a evidence of impaired ferility ourring at around the same doese levels as other toxie effects, but which are not a secondary non-specific consequence of other toxic effects. The health-hazerd's associated with bentonick, kaolinite, and dommon clay, which are commercially important clay products, as well as the related pological effects of day mimerals are influenced by their mineral composition and particle size. The decreasing rank order of the potences of quartz, kaolinite, and montmorillonite, kaolinite, and illite, have an extensive literature. Fibrous clay minerals, such as sepoile, attapulgite, and contario as a separate literesponse of different minerals. Its main compon	

	The removal of clay particles from the lungs takes place by solubilisation in situ and by physical clearance.
	In humans, there was a rapid initial clearance of 8% and 40% of aluminosilicate particles that were, respectively, 1.9 and 6.1 um in aerodynamic
	diameter from the lung region over 6 days. Thereafter, 4% and 11% of the two particle sizes were removed following a halftime of 20 days, and
	the rest with half-times of 330 and 420 days.
	Ultrafine particles (<100 nm) have a high deposition in the nasal area; they can penetrate the alveolar/capillary barrier. Epidemiological studies
	have indicated an increase in morbidity and mortality associated with an increase in airborne particulate matter, particularly in the ultrafine size
	range
	An important determinant of the toxicity of clays is the content of quartz. The presence of quartz in the clays studied hampers reliable
	independent estimation of the fibrogenicity of other components of clays.
	Single intratracheal injection into rodents of bentonite and montmorillonite with low content of quartz produced dose- and particle size-dependent
	cytotoxic effects, as well as transient local inflammation, the signs of which included oedema and, consequently, increased lung weight. After high
	doses of intratracheal kaolin (containing 8-65% quartz), fibrosis has been described in some studies, whereas at lower kaolin doses, no fibrosis has been observed in the few available studies.
	There are limited data on the effects of multiple exposures of experimental animals to montmorillonite or bentonite. Mice maintained on diets
	containing 10% or 25% bentonite but otherwise adequate to support normal growth displayed slightly reduced growth rates, whereas mice
	maintained on a similar diet with 50% bentonite showed minimal growth and developed fatty livers and eventually fibrosis of the liver and benign
	hepatomas.
	In vitro studies of the effects of bentonite on a variety of mammalian cell types usually indicated a high degree of cytotoxicity. Concentrations
	below 1.0 mg/ml of bentonite and montmorillonite particles less than 5 um in diameter caused membrane damage and even cell lysis, as well as
	functional changes in several types of cells.
	No adequate studies are available on the carcinogenicity of bentonite. In an inhalation study and in a study using intrapleural injection, kaolin did
	not induce tumours in rats. No studies are available on the genotoxicity of clays.
	Single, very limited studies did not demonstrate developmental toxicity in rats after oral exposure to bentonite or kaolin.
	Chronic dust inhalation of kaolin, as experienced in mineral extraction, has caused kaolinosis with heavy lung marking, emphysema, and nodular
	pneumoconiosis. Evidence of kaolinosis (pneumoconiosis) was found in 9% of 553 Cornish china clay workers who had been exposed to kaolin dust for periods
	exceeding 5 years, whereas no kaolinosis was observed in workers exposed for less than 5 years. Workers in more heavily exposed jobs of
	milling, bagging and loading showed a prevalence of kaolinosis rising from 6% in those within between 5 and 15 years exposure to 23% in those
	exposed for more than 15 years. Workers intermittently and less heavily exposed in the older, outdated drying plants required 25 years of
	massive exposure before reaching the highest prevalence of 17%. Massive fibrosis was seen in four workers, and six workers needed
	antituberculosis chemotherapy. Preventative measures instituted include preemployment chest examination and approaches to the problem of
	dust control.
	Sheer, G.; Brit. Jnl. Ind. Med. 21, pp 218-225, 1964
	On the basis of epidemiological data, the material is regarded as carcinogenic to humans. There is sufficient data to establish a causal
	association between human exposure to the material and the development of cancer.
	Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or
	biochemical systems. Overexposure to the breathable dust may cause coughing, wheezing, difficulty in breathing and impaired lung function. Chronic symptoms may
	include decreased vital lung capacity and chest infections. Repeated exposures in the workplace to high levels of fine-divided dusts may produce
	a condition known as pneumoconiosis, which is the lodgement of any inhaled dusts in the lung, irrespective of the effect. This is particularly true
	when a significant number of particles less than 0.5 microns (1/50000 inch) are present. Lung shadows are seen in the X-ray. Symptoms of
	pneumoconiosis may include a progressive dry cough, shortness of breath on exertion, increased chest expansion, weakness and weight loss.
	As the disease progresses, the cough produces stringy phlegm, vital capacity decreases further, and shortness of breath becomes more severe.
	Other signs or symptoms include changed breath sounds, reduced oxygen uptake during exercise, emphysema and rarely, pneumothorax (air in
	the lung cavity).
	Removing workers from the possibility of further exposure to dust generally stops the progress of lung abnormalities. When there is high potential
	for worker exposure, examinations at regular period with emphasis on lung function should be performed.
	Inhaling dust over an extended number of years may cause pneumoconiosis, which is the accumulation of dusts in the lungs and the subsequent tissue traction. This may or may not be reversible
	tissue reaction. This may or may not be reversible.

Ardex WPM 300 - Part B	ΤΟΧΙΟΙΤΥ	IRRITATION
	Not Available	Not Available
	ΤΟΧΙΟΙΤΥ	IRRITATION
bisphenol A/ diglycidyl ether resin, liquid	dermal (rat) LD50: >1200 mg/kg ^[2]	Eye (rabbit): 100mg - Mild
rean, iqua	Oral (Mouse) LD50; >500 mg/kg ^[2]	
	ΤΟΧΙΟΙΤΥ	IRRITATION
kaolin	Not Available	Not Available
	ΤΟΧΙΟΙΤΥ	IRRITATION
	dermal (mouse) LD50: 480 mg/kg ^[2]	Eye: no adverse effect observed (not irritating) ^[1]
cresyl glycidyl ether	Inhalation(Rat) LC50: 4.8-8.5 mg/l4h ^[2]	Skin: no adverse effect observed (not irritating) ^[1]
	Oral (Rat) LD50: 5140 mg/kg ^[2]	
Legend:	Avalue 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	
	specified data extracted from RTECS - Register of Toxic Effect of chemi	cal Substances

BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUIDFoetoxicity has been observed in animal studies Oral (rabbit, female) NOEL 180 mg/kg (teratogenicity; NOEL (maternal 60 mg/kg The chemical structure of hydroxylated diphenylalkanes or bisphenols consists of two phenolic rings joined together through a bridging carbon. This class of endocrine disruptors that mimic oestrogens is widely used in industry, particularly in plastics. Bisphenol A (BPA) and some related compounds exhibit oestrogenic activity in human breast cancer cell line MCF-7, but there were remarkable differences in activity. Several derivatives of BPA exhibited significant thyroid hormonal activity towards rat pituitary cell line GH3, which releases growth hormone in a thyroid hormone-dependent manner. However, BPA and several other derivatives did not show such activity. Results suggest that the 4-hydroxyl group of the A-phenyl ring and the B-phenyl ring of BPA derivatives are required for these hormonal activities, and substituents at the 3.5-positions of the phenyl rings and the bridging alkyl moiety markedly influence the activities. Bisphenols promoted cell proliferation and increased the synthesis and secretion of cell type-specific proteins. When ranked by poliferative potency, the longer the alkyl substituent at the bridging carbon, the lower the concentration needed for maximal cell yield; the most active compound contained two proyl chains at the bridging carbon. Bisphenols with two hydroxyl groups in the para position and an angular configuration are suitable for appropriate hydrogen bonding to the acceptor site of the oestrogen receptor.

	In vitro cell models were used to evaluate the ability of 22 bisphenols (BPs) to induce or inhibit estrogenic and androgenic activity. BPA, Bisphenol AF (BPAP), bisphenol C (BPC), tetramethyl bisphenol A (TMBPA), bisphenol S (BPS), bisphenol P (4.4-BPF), bisphenol AP (BPAP), bisphenol C (BPC), tetramethyl bisphenol A (TCBPA), and benzylparaben (PHBB) induced estrogen receptor (RR) antagonists. Only 3 BPs were found to be ER antagonists. Bisphenol P (BPP) selectively inhibited ERbeta-mediated activity. With the exception of BPS, TCBPA, and PHBB, these same BPs were also androgen receptor (RR) antagonists. Only 3 BPs were found to be ER antagonists. Bisphenol P (BPP) selectively inhibited ERbeta-mediated activity and 4-(4-phenylmethoxyphenyl)sulforylphon (IPS-MPE) and 2.4-bisphenol P (BPP) selectively inhibited ERbeta-mediated activity. The subStance is classified by JARC as Group 3: NOT classifiable as to its carcinogenicity to humans. Evidence of carcinogenicity may be inadequate or limited in animal testing. In mice, dermal application of bisphenol A diglycidyl ether (BADEC) (1, 10, or 100 mg/kg) for 13 weeks produced mild to moderate chronic a dermatitis. At the high dose, spongiosis and epidermal micro abscess formation were observed. In rats, dermal application of BADGE (10, 11 1000 mg/kg) for 13 weeks resulted in a decrease in body weight at the high dose. The no-observable effect level (NOEL) for dermal exposur was 100 mg/kg for both sexes. In a separate study, application of BADGE (same doses) five times per week for -13 weeks not only caused decreases in body weight weight as at the mild dose and in both males and females at weilt as a statell group of females given 1000 mg/kg). Reproductive effects. The NOEL for reproductive effects was 750 mg/kg. Carcinogenicity LARC concluded that 'there is limited evidence for the carcinogenicity to humans (Group 3). In a lifetime tumourigenicity study in which 90-dey-oid CAH mode show mutagenicity study in which 90-dey-oid CAH mode. Scale ADSE (0, 60 or 10.0000	
	250,000 and 100,000-fold lower than the NOAELs from the most sensitive toxicology tests. reproductive, developmental, endocrine and carcinogenic effects supports the continued us contact with foodstuffs. No significant acute toxicological data identified in literature search.	osure to BADGE from can coatings is between These large margins of safety together with lack of
KAOLIN	 250,000 and 100,000-fold lower than the NOAELs from the most sensitive toxicology tests reproductive, developmental, endocrine and carcinogenic effects supports the continued us contact with foodstuffs. No significant acute toxicological data identified in literature search. for bentonite clays: Bentonite (CAS No. 1302-78-9) consists of a group of clays formed by crystallisation of vitr The expected acute oral toxicity of bentonite in humans is very low (LD50>15 g/kg). However retrocorneal abscess from eye exposure were reported when bentonite had been used as in a 33 day dietary (2 and 6%) and a 90 day dietary (1, 3 and 5%) studies in chickens, no c biochemical parameters and electrolytic composition of the blood. Repeat dietary administimetabolism. However, larger amounts caused decreased growth, muscle weakness, and or phosphorus metabolism. Bentonite did not cause fibrosis after 1 year exposure of 60 mg dust (<5 um) in a rat study. were intratracheally instilled at 5, 15 and 45 mg/rat, dose-related fibrosis was observed. Be bronchial asthma in workers at a processing plant in USA. Ingestion of bentonite without adequate liquids may result in intestinal obstruction in human Hypokalaemia and microcytic iron-deficiency anaemia may occur in patients after repeat does and the start action and microcytic iron-deficiency anaemia may occur in patients after repeat does are approached. 	osure to BADGE from can coatings is between These large margins of safety together with lack of se of BADGE for use in articles intended to come into eous volcanic ashes that were deposited in water. ver, severe anterior segment inflammation, uveitis and a prophypaste. thanges in behaviour, overall state, clinical and ation of bentonite did not affect calcium or phosphorus eath with marked changes in both calcium and However, in a second rat study, where 5 um particles intonite clay dust is believed to be responsible for ns.
	 250,000 and 100,000-fold lower than the NOAELs from the most sensitive toxicology tests. reproductive, developmental, endocrine and carcinogenic effects supports the continued us contact with foodstuffs. No significant acute toxicological data identified in literature search. for bentonite clays: Bentonite (CAS No. 1302-78-9) consists of a group of clays formed by crystallisation of vitr. The expected acute oral toxicity of bentonite in humans is very low (LD50>15 g/kg). However retrocorneal abscess from eye exposure were reported when bentonite had been used as: In a 33 day dietary (2 and 6%) and a 90 day dietary (1, 3 and 5%) studies in chickens, no co biochemical parameters and electrolytic composition of the blood. Repeat dietary administimetabolism. However, larger amounts caused decreased growth, muscle weakness, and co phosphorus metabolism. Bentonite did not cause fibrosis after 1 year exposure of 60 mg dust (<5 um) in a rat study. were intratracheally instilled at 5, 15 and 45 mg/rat, dose-related fibrosis was observed. Be bronchial asthma in workers at a processing plant in USA. Ingestion of bentonite without adequate liquids may result in intestinal obstruction in human Hypokalaemia and microcytic iron-deficiency anaemia may occur in patients after repeat dicause myositis. 	osure to BADGE from can coatings is between These large margins of safety together with lack of se of BADGE for use in articles intended to come into eous volcanic ashes that were deposited in water. ver, severe anterior segment inflammation, uveitis and a prophypaste. thanges in behaviour, overall state, clinical and ation of bentonite did not affect calcium or phosphorus eath with marked changes in both calcium and However, in a second rat study, where 5 um particles intonite clay dust is believed to be responsible for ns.
KAOLIN CRESYL GLYCIDYL ETHER BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUID & CRESYL GLYCIDYL ETHER	 250,000 and 100,000-fold lower than the NOAELs from the most sensitive toxicology tests reproductive, developmental, endocrine and carcinogenic effects supports the continued us contact with foodstuffs. No significant acute toxicological data identified in literature search. for bentonite clays: Bentonite (CAS No. 1302-78-9) consists of a group of clays formed by crystallisation of vitr The expected acute oral toxicity of bentonite in humans is very low (LD50>15 g/kg). However retrocorneal abscess from eye exposure were reported when bentonite had been used as in a 33 day dietary (2 and 6%) and a 90 day dietary (1, 3 and 5%) studies in chickens, no c biochemical parameters and electrolytic composition of the blood. Repeat dietary administimetabolism. However, larger amounts caused decreased growth, muscle weakness, and or phosphorus metabolism. Bentonite did not cause fibrosis after 1 year exposure of 60 mg dust (<5 um) in a rat study. were intratracheally instilled at 5, 15 and 45 mg/rat, dose-related fibrosis was observed. Be bronchial asthma in workers at a processing plant in USA. Ingestion of bentonite without adequate liquids may result in intestinal obstruction in human Hypokalaemia and microcytic iron-deficiency anaemia may occur in patients after repeat does and the start action and microcytic iron-deficiency anaemia may occur in patients after repeat does are approached. 	osure to BADGE from can coatings is between These large margins of safety together with lack of se of BADGE for use in articles intended to come into eous volcanic ashes that were deposited in water. ver, severe anterior segment inflammation, uveitis and a prophypaste. thanges in behaviour, overall state, clinical and ation of bentonite did not affect calcium or phosphorus eath with marked changes in both calcium and However, in a second rat study, where 5 um particles entonite clay dust is believed to be responsible for ns. oses of clay. Chronic ingestion has been reported to this product. or Quincke's oedema. The pathogenesis of contact her allergic skin reactions, e.g. contact urticaria, t simply determined by its sensitisation potential: the A weakly sensitising substance which is widely th which few individuals come into contact. From a
CRESYL GLYCIDYL ETHER BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUID & CRESYL GLYCIDYL ETHER	 250,000 and 100,000-fold lower than the NOAELs from the most sensitive toxicology tests reproductive, developmental, endocrine and carcinogenic effects supports the continued us contact with foodstuffs. No significant acute toxicological data identified in literature search. for bentonite clays: Bentonite (CAS No. 1302-78-9) consists of a group of clays formed by crystallisation of vitr The expected acute oral toxicity of bentonite in humans is very low (LD50>15 g/kg). However retrocorneal abscess from eye exposure were reported when bentonite had been used as: In a 33 day dietary (2 and 6%) and a 90 day dietary (1, 3 and 5%) studies in chickens, no co biochemical parameters and electrolytic composition of the blood. Repeat dietary administimetabolism. However, larger amounts caused decreased growth, muscle weakness, and co phosphorus metabolism. Bentonite did not cause fibrosis after 1 year exposure of 60 mg dust (<5 um) in a rat study. were intratracheally instilled at 5, 15 and 45 mg/rat, dose-related fibrosis was observed. Be bronchial asthma in workers at a processing plant in USA. Ingestion of bentonite without adequate liquids may result in intestinal obstruction in human Hypokalaemia and microcytic iron-deficiency anaemia may occur in patients after repeat dicause myositis. Mutagenic to bacteria The following information refers to contact allergens as a group and may not be specific to Contact allergies quickly manifest themselves as contact eczema, more rarely as uticaria eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Ot involve antibody-mediated immune reactions. The significance of the contact allergen in or distribution of the substance and the opportunities for contact with it are equally important. distribution of the substance and the opportunities for contact with it are equally important. 	osure to BADGE from can coatings is between These large margins of safety together with lack of se of BADGE for use in articles intended to come into eous volcanic ashes that were deposited in water. ver, severe anterior segment inflammation, uveitis and a prophypaste. hanges in behaviour, overall state, clinical and ation of bentonite did not affect calcium or phosphorus eath with marked changes in both calcium and However, in a second rat study, where 5 um particles intonite clay dust is believed to be responsible for ns. oses of clay. Chronic ingestion has been reported to this product. or Quincke's oedema. The pathogenesis of contact her allergic skin reactions, e.g. contact urticaria, t simply determined by its sensitisation potential: the A weakly sensitising substance which is widely th which few individuals come into contact. From a more than 1% of the persons tested.
CRESYL GLYCIDYL ETHER BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUID & CRESYL GLYCIDYL ETHER Acute Toxicity	250,000 and 100,000-fold lower than the NOAELs from the most sensitive toxicology tests. reproductive, developmental, endocrine and carcinogenic effects supports the continued us contact with foodstuffs. No significant acute toxicological data identified in literature search. for bentonite clays: Bentonite (CAS No. 1302-78-9) consists of a group of clays formed by crystallisation of vitr The expected acute oral toxicity of bentonite in humans is very low (LD50>15 g/kg). However retrocormeal abscess from eye exposure were reported when bentonite had been used as: In a 33 day dietary (2 and 6%) and a 90 day dietary (1, 3 and 5%) studies in chickens, no of biochemical parameters and electrolytic composition of the blood. Repeat dietary administr metabolism. However, larger amounts caused decreased growth, muscle weakness, and of phosphorus metabolism. Bentonite did not cause fibrosis after 1 year exposure of 60 mg dust (<5 um) in a rat study. were intratracheally instilled at 5, 15 and 45 mg/rat, dose-related fibrosis was observed. Be bronchial asthma in workers at a processing plant in USA. Ingestion of bentonite without adequate liquids may result in intestinal obstruction in human Hypokalaemia and microcytic iron-deficiency anaemia may occur in patients after repeat di cause myositis. Mutagenic to bacteria The following information refers to contact allergens as a group and may not be specific to Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Ot involve antibody-mediated immune reactions. The significance of the contact allergen is no distribution of the substance and the opportunities for contact with it are equally important. distributed can be a more important allergen than one with stronger sensitising potential withicitical point of view, substances are noteworthy if they produce an allergic test reaction in X	osure to BADGE from can coatings is between These large margins of safety together with lack of se of BADGE for use in articles intended to come into eous volcanic ashes that were deposited in water. ver, severe anterior segment inflammation, uveitis and a prophypaste. thanges in behaviour, overall state, clinical and ation of bentonite did not affect calcium or phosphorus eath with marked changes in both calcium and However, in a second rat study, where 5 um particles entonite clay dust is believed to be responsible for ths. poses of clay. Chronic ingestion has been reported to this product. or Quincke's oedema. The pathogenesis of contact her allergic skin reactions, e.g. contact urticaria, t simply determined by its sensitisation potential: the A weakly sensitising substance which is widely th which few individuals come into contact. From a more than 1% of the persons tested.
CRESYL GLYCIDYL ETHER BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUID & CRESYL GLYCIDYL ETHER Acute Toxicity Skin Irritation/Corrosion	250,000 and 100,000-fold lower than the NOAELs from the most sensitive toxicology tests. reproductive, developmental, endocrine and carcinogenic effects supports the continued us contact with foodstuffs. No significant acute toxicological data identified in literature search. for bentonite clays: Bentonite (CAS No. 1302-78-9) consists of a group of clays formed by crystallisation of vitr The expected acute oral toxicity of bentonite in humans is very low (LD50-15 g/kg). Hower retrocorneal abscess from eye exposure were reported when bentonite had been used as In a 33 day dietary (2 and 6%) and a 90 day dietary (1, 3 and 5%) studies in chickens, no of biochemical parameters and electrolytic composition of the blood. Repeat dietary administimetabolism. However, larger amounts caused decreased growth, muscle weakness, and of phosphorus metabolism. Bentonite did not cause fibrosis after 1 year exposure of 60 mg dust (<5 um) in a rat study. were intratracheally instilled at 5, 15 and 45 mg/rat, dose-related fibrosis was observed. Be bronchial asthma in workers at a processing plant in USA. Ingestion of bentonite without adequate liquids may result in intestinal obstruction in human Hypokalaemia and microcytic iron-deficiency anaemia may occur in patients after repeat de cause myositis. Mutagenic to bacteria The following information refers to contact allergens as a group and may not be specific to Contact allergies quickly manifest themselves as contact ezema, more rarely as urticaria eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Ot involve antibody-mediated immune reactions. The significance of the contact allergen is no distribution of the substance and the opportunities for contact with it are equally important. distributed can be a more important allergen than one with stronger sensitising potential wi clinical point of view, substances are noteworthy if they produce an allergic test reaction in clinical point of view, substances are noteworthy if they produce an allergic t	osure to BADGE from can coatings is between These large margins of safety together with lack of se of BADGE for use in articles intended to come into eous volcanic ashes that were deposited in water. ver, severe anterior segment inflammation, uveitis and a prophypaste. thanges in behaviour, overall state, clinical and ation of bentonite did not affect calcium or phosphorus eath with marked changes in both calcium and However, in a second rat study, where 5 um particles entonite clay dust is believed to be responsible for ns. osses of clay. Chronic ingestion has been reported to this product. or Quincke's oedema. The pathogenesis of contact her allergic skin reactions, e.g. contact urticaria, t simply determined by its sensitisation potential: the A weakly sensitising substance which is widely th which few individuals come into contact. From a more than 1% of the persons tested.
CRESYL GLYCIDYL ETHER BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUID & CRESYL GLYCIDYL ETHER Acute Toxicity	250,000 and 100,000-fold lower than the NOAELs from the most sensitive toxicology tests. reproductive, developmental, endocrine and carcinogenic effects supports the continued us contact with foodstuffs. No significant acute toxicological data identified in literature search. for bentonite clays: Bentonite (CAS No. 1302-78-9) consists of a group of clays formed by crystallisation of vitr The expected acute oral toxicity of bentonite in humans is very low (LD50>15 g/kg). However retrocormeal abscess from eye exposure were reported when bentonite had been used as: In a 33 day dietary (2 and 6%) and a 90 day dietary (1, 3 and 5%) studies in chickens, no of biochemical parameters and electrolytic composition of the blood. Repeat dietary administr metabolism. However, larger amounts caused decreased growth, muscle weakness, and of phosphorus metabolism. Bentonite did not cause fibrosis after 1 year exposure of 60 mg dust (<5 um) in a rat study. were intratracheally instilled at 5, 15 and 45 mg/rat, dose-related fibrosis was observed. Be bronchial asthma in workers at a processing plant in USA. Ingestion of bentonite without adequate liquids may result in intestinal obstruction in human Hypokalaemia and microcytic iron-deficiency anaemia may occur in patients after repeat di cause myositis. Mutagenic to bacteria The following information refers to contact allergens as a group and may not be specific to Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Ot involve antibody-mediated immune reactions. The significance of the contact allergen is no distribution of the substance and the opportunities for contact with it are equally important. distributed can be a more important allergen than one with stronger sensitising potential withicitical point of view, substances are noteworthy if they produce an allergic test reaction in X	osure to BADGE from can coatings is between These large margins of safety together with lack of se of BADGE for use in articles intended to come into eous volcanic ashes that were deposited in water. ver, severe anterior segment inflammation, uveitis and a prophypaste. thanges in behaviour, overall state, clinical and ation of bentonite did not affect calcium or phosphorus eath with marked changes in both calcium and However, in a second rat study, where 5 um particles entonite clay dust is believed to be responsible for ths. poses of clay. Chronic ingestion has been reported to this product. or Quincke's oedema. The pathogenesis of contact her allergic skin reactions, e.g. contact urticaria, t simply determined by its sensitisation potential: the A weakly sensitising substance which is widely th which few individuals come into contact. From a more than 1% of the persons tested.

SECTION 12 Ecological information

Continued...

Ardex WPM 300 - Part B

	Endpoint	Test Duration (hr)	Species	Value	Source
Ardex WPM 300 - Part B	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	48h	Crustacea	~2mg/l	2
isphenol A/ diglycidyl ether resin, liquid	EC50(ECx)	24h	Crustacea	3mg/l	Not Available
	LC50	96h	Fish	2.4mg/l	Not Availabl
	Endpoint	Test Duration (hr)	Species	Value	Source
kaolin	Not Available	Not Available	Not Available	Not Available	Not Availabl
	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	72h	Algae or other aquatic plants	~5.1mg/l	2
	EC50	48h	Crustacea	~3.3mg/l	2
cresyl glycidyl ether	EC50(ECx)	24h	Crustacea	1-10mg/l	Not Available
					Not

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
bisphenol A/ diglycidyl ether resin, liquid	HIGH	HIGH
cresyl glycidyl ether	LOW (Half-life = 49 days)	LOW (Half-life = 0.67 days)

Bioaccumulative potential

Ingredient	Bioaccumulation	
bisphenol A/ diglycidyl ether resin, liquid	LOW (LogKOW = 2.6835)	
cresyl glycidyl ether	LOW (LogKOW = 2.1609)	

Mobility in soil

Ingredient	Mobility
bisphenol A/ diglycidyl ether resin, liquid	LOW (KOC = 51.43)
cresyl glycidyl ether	LOW (KOC = 66.54)

SECTION 13 Disposal considerations

Waste treatment methods	
Product / Packaging disposal	 Containers may still present a chemical hazard/ danger when empty. Return to supplier for reuse/ recycling if possible. Otherwise: If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill. Where possible retain label warnings and SDS and observe all notices pertaining to the product. Waste Management Production waste from epoxy resins and resin systems should be treated as hazardous waste in accordance with National regulations. Fire retarded resins containing halogenated compounds should also be treated as special waste. Accidental spillage of resins, curing agents and their formulations should be contained and absorbed by special mineral absorbents to prevent them from entering the environment. Contaminated or surplus product should not be washed down the sink, but preferably be fully reacted to form cross-linked solids which is non-hazardous and can be more easily disposed. Finished articles made from fully cured epoxy resins are hard, infusible solids presenting no hazard to the environment. However, finished articles from flame-retarded material containing halogenated resins should be considered hazardous waste, and disposed as required by National laws. Articles made from epoxy resins, like other thermosets, can be recycled by grinding and used as fillers in other products. Another way of disposal and recovery is combustion with energy recovery. DO NOT allow wash water form 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 sever 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 co

Page 11 of 13

Ardex WPM 300 - Part B

	 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.
ECTION 14 Transport infor	mation
abels Required	
Marine Pollutant	
HAZCHEM	•3Z
and transport (ADG)	
UN number or ID number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains bisphenol A/ diglycidyl ether resin, liquid)
Transport hazard class(es)	Class 9 Subsidiary risk Not Applicable
Packing group	III
Environmental hazard	Environmentally hazardous
Special precautions for user	Special provisions 274 331 335 375 AU01

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;

Limited quantity

5 L

(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)

Special precautions for user

UN number	3082			
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (contains bisphenol A/ diglycidyl ether resin, liquid)			
Transport hazard class(es)	ICAO/IATA Class ICAO / IATA Subrisk ERG Code	9 Not Applicable 9L		
Packing group	Ш			
Environmental hazard	Environmentally hazardous			
Special precautions for user	Environmentally hazardous Special provisions Cargo Only Packing Instructions Cargo Only Maximum Qty / Pack Passenger and Cargo Packing Instructions Passenger and Cargo Maximum Qty / Pack Passenger and Cargo Maximum Qty / Pack Passenger and Cargo Maximum Qty / Pack		A97 A158 A197 A215 964 450 L 964 450 L Y964 30 kg G	

Sea transport (IMDG-Code / GGVSee)

UN number	3082	
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains bisphenol A/ diglycidyl ether resin, liquid)	
Transport hazard class(es)	IMDG Class 9 IMDG Subrisk Not Applicable	
Packing group	11	
Environmental hazard	Marine Pollutant	
Special precautions for user	EMS NumberF-A, S-FSpecial provisions274 335 969	

Page 12 of 13

Ardex WPM 300 - Part B

Limited Quantities 5 L

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
bisphenol A/ diglycidyl ether resin, liquid	Not Available
kaolin	Not Available
cresyl glycidyl ether	Not Available

Transport in bulk in accordance with the IGC Code

Product name	Ship Type
bisphenol A/ diglycidyl ether resin, liquid	Not Available
kaolin	Not Available
cresyl glycidyl ether	Not Available

SECTION 15 Regulatory information

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

ļ	bisphenol A/ diglycidyl ether resin, liquid 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 5
	Australian Inventory of Industrial Chemicals (AIIC)

kaolin is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC) Chemical Footprint Project - Chemicals of High Concern List

cresyl glycidyl ether is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australian Inventory of Industrial Chemicals (AIIC) Chemical Footprint Project - Chemicals of High Concern List International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

Chemical Footprint Project - Chemicals of High Concern List

National Inventory Status

National Inventory	Status	
Australia - AIIC / Australia Non-Industrial Use	Yes	
Canada - DSL	Yes	
Canada - NDSL	No (bisphenol A/ diglycidyl ether resin, liquid; kaolin; cresyl glycidyl ether)	
China - IECSC	Yes	
Europe - EINEC / ELINCS / NLP	Yes	
Japan - ENCS	No (kaolin)	
Korea - KECI	Yes	
New Zealand - NZIoC	Yes	
Philippines - PICCS	Yes	
USA - TSCA	Yes	
Taiwan - TCSI	Yes	
Mexico - INSQ	No (cresyl glycidyl ether)	
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	10/03/2023
Initial Date	06/02/2020

SDS Version Summary

Version	Date of Update	Sections Updated
3.1	23/12/2022	Classification review due to GHS Revision change.
4.1	10/03/2023	Classification change due to full database hazard calculation/update.

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

PC - TWA: Permissible Concentration-Time Weighted Average PC - STEL: Permissible Concentration-Short Term Exposure Limit IARC: International Agency for Research on Cancer ACGIH: American Conference of Governmental Industrial Hygienists STEL: Short Term Exposure Limit TEEL: Temporary Emergency Exposure Limit, IDLH: Immediately Dangerous to Life or Health Concentrations ES: Exposure Standard OSF: Odour Safety Factor NOAEL :No Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level TLV: Threshold Limit Value LOD: Limit Of Detection OTV: Odour Threshold Value **BCF: BioConcentration Factors** BEI: Biological Exposure Index AIIC: Australian Inventory of Industrial Chemicals DSL: Domestic Substances List NDSL: Non-Domestic Substances List IECSC: Inventory of Existing Chemical Substance in China EINECS: European INventory of Existing Commercial chemical Substances ELINCS: European List of Notified Chemical Substances NLP: No-Longer Polymers ENCS: Existing and New Chemical Substances Inventory KECI: Korea Existing Chemicals Inventory NZIoC: New Zealand Inventory of Chemicals PICCS: Philippine Inventory of Chemicals and Chemical Substances TSCA: Toxic Substances Control Act TCSI: Taiwan Chemical Substance Inventory INSQ: Inventario Nacional de Sustancias Químicas NCI: National Chemical Inventory FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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.