

Ardex (Ardex Australia)

Chemwatch Hazard Alert Code: 2

Issue Date 15/03/2018 Priof Date 16/03/2018 SIGHS AUSIEN

Chemwatch: 84-3480 Version No: 3.1.1.1 Safety Data Sheet according to WHS and ADG requirements

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name ARDEX EG15 Resin Part A Improved Formula

Not Available Synonymis

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains bisphenol A/ diglycidyl ether resin, liquid) Proper shipping name

Other means of identification Not Available

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

Relevant identified uses Epoxy resin for epoxy grout.

Details of the supplier of the safety data sheet

Registered company name Ardex (Ardex Australia)

> 20 Powers Road Seven Hills NSW 2147 Australia Address

Telephone 1800 224 070 Fax 1300 780 102 Website Not Available Email Not Available

Emergency telephone number

Association / Organisation Not Available

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

Max Min Flammability \$255G 1 × 64 (98 jac) Toxicity 0 Body Contact 2 **W** Tow Mangaise Reactivity r Higo r Estrosc

Poisons Schedule

Skin Corrosion/Irritation Category 2, Eye Irritation Category 2A, Skin Sensitizer Category 1, Acute Aquatic Hazard Category 2, Chronic Aquatic Hazard Classification [1]

1 Classified by Chernwatch 2 Classification drawn from HSIS 3 Classification drawn from EC Directive 1272/2008 - Annex VI Legend:

Label elements

Hazard pictogram(s)





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SIGNAL WORD WARNING Hazard statement(s) H315 Causes skin irritation. H319 Causes serious eye imitation. H317 May cause an allergic skin reaction.

Precautionary statement(s) Prevention

H411

P272

P280 Wear protective gloves/protective clothing/eye protection/face protection. P261 Avoid breathing mist/vapours/spray. P273 Avoid release to the environment.

Toxic to aquatic life with long lasting effects.

Contaminated work clothing should not be allowed out of the workplace.

Precautionary statement(s) Response

P362 Take off contaminated clothing and wash before reuse. P302+P352 IF ON SKIN: Wash with plenty of soap and 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.

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

P501 Dispose of contents/container in accordance with local regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
25068-38-6	20-70	bisphenol A/ dialycidyl ether resin, liquid
28064-14-4	20-70	bisphenol F glycidyl ether/ formaldehyde copolymer
68609-97-2	<20	(C12-14)alkylglycidyl ether

SECTION 4 FIRST AID MEASURES

Description of first aid measures

If this product comes in contact with the eyes;

Eye Contact

- 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.

If skin contact occurs:

Skin Contact

- > 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, aerosols or combustion products are inhaled remove from contaminated area.
- Other measures are usually unnecessary.
- For advice, contact a Poisons Information Centre or a doctor at once.
- Urgent hospital treatment is likely to be needed.

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 sfeepy 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

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

Special hazards arising from the substrate or mixture

Fire Incompatibility

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

Advice for firefighters

- Afert Fire Brigade and tell them location and nature of hazard.
- · Wear full body protective clothing with breathing apparatus. Fire Fighting
 - Prevent, by any means available, spillage from entering drains or water course.
 - Use water delivered as a fine spray to control fire and cool adjacent area.
 - Combustible.
 - Slight fire hazard when exposed to heat or flame.
 - Heating may cause expansion or decomposition leading to violent rupture of containers.
 - On combustion, may emit toxic fumes of carbon monoxide (CO).

Combustion products include

Fire/Explosion Hazard

carbon dioxide (CO2)

aldehydes

other pyrolysis products typical of burning organic material.

HAZCHEM

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

In the event of a spill of a reactive diluent, the focus is on containing the spill to prevent contamination of soil and surface or ground water. If irritating vapors are present, an approved air-purifying respirator with organic vapor canister is recommended for cleaning up spills and

leaks.

For small spills, reactive diluents should be absorbed with sand.

Minor Splits

- 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,
- Environmental hazard contain spillage

Industrial spills or releases of reactive diluents are infrequent and generally contained. If a large spill does occur, the material should be captured, collected, and reprocessed or disposed of according to applicable governmental requirements. An approved air-purifying respirator with organic-vapor canister is recommended for emergency work.

Major Spills

Moderate hazard.

- Clear area of personnel and move upwind. Afert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.

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

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

DO NOT allow clothing wet with material to stay in contact with skin

Avoid all personal contact, including inhalation. Safe handling

Wear protective clothing when risk of exposure occurs

Use in a well-ventilated area.

· Prevent concentration in hollows and sumps

Store in original containers.

Keep containers securely sealed.

No smoking, naked lights or ignition sources.

Store in a cool, dry, well-ventilated area.

Conditions for safe storage, including any incompatibilities

Suitable container

Other information

- Metal can or drum
- Packaging as recommended by manufacturer,
- Check all containers are clearly labelled and free from leaks.
- 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, polymensation with gelation and evolution of Storage Incompatibility heat (exotherm) may occur.

This excess heat may generate toxic vapour Avoid reaction with amines, mercaptans, strong acids and oxidising agents

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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Not Available

EMERGENCY LIMITS

Ingredient	Material name		TEEL-1	TEEL-2	TEEL-3
bisphenol A/ diglycidyl ether resin, liquid	Epoxy resin includes EPON 1001, 1007, 820, ERL-2795		90 mg/m3	990 mg/m3	5,900 mg/m3
bisphenol F glycidyl ether/ formaldehyde copolymer	Phenol, polymer with formaldehyde, oxiranylmethyl ether		30 mg/m3	330 mg/m3	2,000 mg/m3
Ingredient	Original IDLH	Revise	d IDLH		
bisphenol A/ diglycidyl ether resin, liquid	Not Available	Not Ava	ailable		
bisphenol F glycidyl ether/ formaldehyde copolymer	Not Available	Not Ava	ailable		
(C12-14)alkylgiycidyl ether	Not Available	Not Ava	ailable		

Exposure 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.

Appropriate engineering controls

The basic types of engineering controls are Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

Personal protection











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Eye and face protection

- Safety glasses with side shields.
- Chemical goggles.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing
 of lenses or restrictions on use, should be created for each workplace or lask.

Skin protection

See Hand protection below

NOTE:

- The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.
- Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Hands/feet protection

The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.

Personal hygiene is a key element of effective hand care.

- > When handling liquid-grade epoxy resins wear chemically protective gloves (e.g nitrile or nitrile-butatoluene rubber), boots and aprons.
- ▶ DO NOT use cotton or leather (which absorb and concentrate the resin) polyvinyl chloride, rubber or polyetnylene 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

Body protection

n See Other protection below

- Overalls.
- Other protection
- P.V.C. apron.Barrier cream.
- Thermal hazards

Not Available

Respiratory protection

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

Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant. Protection Factors (defined as the ratio of contaminant outside and inside the mask) may also be important.

Required minimum protection factor	Maximum gas/vapour concentration present in air p.p.m. (by volume)	Half-face Respirator	Full-Face Respirator
up to 10	1000	A-AUS / Class1 P2	•
up to 50	1000	÷	A-AUS / Class 1 P2
up to 50	5000	Airline *	-
up lo 100	5000	•	A-2 P2
up to 100	10000	•	A-3 P2
100+			Airline**

^{* -} Continuous Flow ** - Continuous-flow or positive pressure demand

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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)

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.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Tan slightly viscous liquid; does not mix with water.		
Physical state	Liquid	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not 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 (g/L)	Immiscible	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

Unstable in the presence of incompatible materials.

This material can cause eye irritation and damage in some persons.

Chemical stability 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

Eye

Information on toxicological effects

inhaled	In animal testing, exposure to aerosols of reactive diluents (especially o-cresol glycidyl ether, CAS RN 2210-79-9) has been reported to affect the adrenal gland, central nervous system, kidney, liver, ovanes, spleen, testes, thymus and respiratory tract. Inhalation hazard is increased at higher temperatures. The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.
Ingestion	Reactive diluents exhibit a range of ingestion hazards. Small amounts swallowed incidental to normal handling operations are not likely to cause injury. However, swallowing larger amounts may cause injury. Animal testing showed that a single dose of bisphenol A diglycidyl ether (BADGE) given by mouth, caused an increase in immature sperm. Bisphenol A diglycidyl ethers (BADGEs) produce a sensilization dermatitis (skin inflammation) characterized by eczema with bilisters and papules, with considerable itching of the back of the hand. This may persist for 10-14 days after withdrawal from exposure and recur immediately on re-exposure. The dermatitis may last longer following each exposure, but is unlikely to become more intense. Lower molecular weight species produce sensitization more readily. High molecular weight material; on single acute exposure would be expected to pass through gastrointestinal tract with little change / absorption, Occasionally accumulation of the solid material within the alimentary tract may result in formation of a bezoar (concretion), producing discomfort.
Skin Contact	This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition Bisphenol A diglycidyl ether (BADGE) may produce contact dermatitis characterized by redness and swelling, with weeping followed by crusting and scaling. A liquid resin with a molecular weight of 350 produced severe skin imitation when applied daily for 4 hours over 20 days. Skin contact with reactive diluents may cause slight to moderate irritation with local redness. Repeated or prolonged skin contact may cause burns. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or fesions, may produce systemic injury with hamful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

Eye contact with reactive diluents may cause slight to severe initation with the possibility of chemical burns or moderate to severe damage to the cornea.

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Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population,

There has been some concern that this material can cause cancer or mutations but there is not enough data to make an assessment.

Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

Based on experience with similar materials, there is a possibility that exposure to the material may reduce fertility in humans at levels which do not cause other toxic effects.

Bisphenol A diglycidyl ethers (BADGEs) produce a sensitization dermatitis (skin inflammation) characterized by eczema with blisters and papules, with considerable itching of the back of the hand. This may persist for 10-14 days after withdrawal from exposure and recur immediately on re-exposure. The dermatitis may last longer following each exposure, but is unlikely to become more intense. Lower molecular weight species produce sensitization more readily.

Chronic

For some reactive diluents, prolonged or repeated skin contact may result in absorption of potentially harmful amounts or allergic skin reactions. Exposure to some reactive diluents (notably, neopentylglycol diglycidyl ether, CAS RN: 17557-23-2) has caused cancer in some animal testing. Glycidyl ethers can cause genetic damage and cancer.

Bisphenol F, bisphenol A, fluorine-containing bisphenol A (bisphenol AF) and other diphenylalkanes were found to have oestrogen-like effects. Bisphenol F is present in the environment and as a contaminant of food, so humans may therefore be exposed to bisphenol. Testing shows bisphenol F has genetic toxicity as well as the ability to disrupt hormonal balance.

This product contains a polymer with reactive functional groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes are reactive, soluble and are highly limitating.

Bisphenol A may have effects similar to female sex hormones and when administered to pregnant women, may damage the foetus. It may also damage male reproductive organs and sperm.

the second second		
ARDEX EG15 Resin Part A	TOXICITY	IRRITATION
Improved Formula	Not Available	Not Available
	ΤΟΧΙΟΊΤΥ	IRRITATION
bisphenol A/ diglycidyl ether resin, liquid	dermal (ral) LD50: >1200 mg/kg ^[2]	Eye (rabbit): 100mg - Mild
	Oral (rat) LD50: >1000 mg/kg ^[2]	
the second second second second second		
	TOXICITY	IRRITATION
bisphenol F glycidyl ether/ formaldehyde copolymer	dermal (rat) LD50: 4000 mg/kg ^[2]	Eyes * (-) (-) Slight irritant
	Oral (ral) LD50. 4000 mg/kg ^[2]	Skin * (-) (-) Slight irritant
	TOXICITY	IRRITATION
	Oral (ral) LD50: >10000 mg/kg ^[2]	Eye (rabbit): mild [Ciba]
		Skin (guinea pig): sensitiser
(C12-14)alkylglycidyl ether		Skin (human): Imitant
		Skin (human) non-sensitiser
		Skin (rabbit): moderate
		Skin Moderate

Legend:

1. Value obtained from Europe ECHA Projectived Substances. - Acute toward 2.º Value obtained from manufacturer's SDS. Havess otherwise specified data extracted from RTECS - Register of Town Effect of characted Substances.

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.

Animal testing over 13 weeks showed bisphenol A digitation of the skin.

Reproductive and Developmental Toxicity: Animal testing showed BADGE given over several months caused reduction in body weight but had no reproductive effects.

Cancer-causing potential: It has been concluded that bisphenol A diglycidyl ether cannot be classified with respect to its cancer-causing potential in burners

Genetic toxicity; Laboratory tests on genetic toxicity of BADGE have so far been negative.

Foetoxicity has been observed in animal studies Oral (rabbit, female) NOEL 180 mg/kg (teratogenicity; NOEL (maternal 60 mg/kg

BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUID & BISPHENOL F GLYCIDYL ETHER/ FORMALDEHYDE COPOLYMER & (C12-14)ALKYLGLYCIDYL FTHER

RISPHENOL A/DIGLYCIDYL

ETHER RESIN, LIQUID

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 palhogenesis 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.

BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUID & BISPHENOL F GLYCIDYL ETHER/ FORMALDEHYDE COPOLYMER 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.

Acute Toxicity	>	Carcinogenicity	(5)
Skin Irritation/Corrosion	nd .	Reproductivity	(5)
Serious Eye Damage/Irritation	**		ं
Respiratory or Skin sensitisation	*	STOT - Repeated Exposure	(j)
Mutagenicity	150	Aspiration Hazard	Ö

Legend: X - Data available but does not fill the entena for classification

Version No. 3.1.1.1

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Data available to make classification

📎 – Data Not Available to make classification

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
ARDEX EG15 Resin Part A Improved Formula	Not Available	Not Available	Not Available	Not Available	Not Available
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
bisphenol A/ diglycidyl ether	LC50	96	Fish	1.2mg/L	2
resin, liquid	EC50	72	Algae or other aquatic plants	9.4mg/L	2
	NOEC	72	Algae or other aquatic plants	2,4mg/L	2
Market of Fabridad about	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
bisphenol F glycidyl ether/ formaldehyde copolymer	Not Available	Not Available	Not Available	Not Available	Not Available
and a survey of the second of the second					
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
(C12-14)alkylglycidyl ether	Not Available	Not Available	Not Available	Not Available	Not Available

Legend:

Extracted from 1, IUCLID Toxicity Data 2, Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Texicity 3, EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4-US-EPA Ecotox database - Aquatic Toxicity Data 5-ECETOC Aquatic Hazard Assessment Data 6-NITE (Japan) - Bioconcentration Data 7 IMETI (Japan) - Bioconcentration Data 6, Vendor Data

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

Bioaccumulative potential

Ingredient	Bloaccumulation
bisphenol A/ diglycidyl ether resin, liquid	LOW (LogKOW = 2.6835)

Mobility in soil

Ingredient	Mobility
bisphenol A/ diglycidyl ether resin liquid	LOW (KOC = 51.43)

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.

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

A Hierarchy of Controls seems to be common - the user should investigate:

- ▶ Reduction
- Reuse
- Recycling
- > Disposal (if all else fails)

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use.

- 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.

Issue Date: 15/03/2018

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SECTION 14 TRANSPORT INFORMATION

Labels Required



Marine Pollutant



-32

HAZCHEM

Land transport (ADG)

UN number

UN proper shipping name

Transport hazard class(es)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains bisphenol A/ diglycidyl ether resin, liquid)

Class

Subrisk Not Applicable

Packing group

Environmental hazard

Environmentally hazardous

Special precautions for user

Special provisions

274 331 335 375 AU01

Limited quantity 5 L

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

Ш

(a) packagings;

(b) IBCs, or

(c) any other receptacle not exceeding 500 kg(L).

- Australian Special Provisions (SP AU01) - ADG Code 7th Ed.

Air transport (ICAO-IATA / DGR)

UN number

Environmentally hazardous substance, liquid, n.o.s. * (contains bisphenol A/ diglycidyl ether resin, liquid) UN proper shipping name

ICAO/IATA Class

ICAO / IATA Subrisk Not Applicable Transport hazard class(es)

Ш

ERG Code 91.,

Packing group

Environmental hazard

Environmentally hazardous

Special provisions A97 A158 A197

Cargo Only Packing Instructions 964 450 L Cargo Only Maximum Qty / Pack 964

Special precautions for user Passenger and Cargo Packing Instructions Passenger and Cargo Maximum Qty / Pack 450 L Passenger and Cargo Limited Quantity Packing Instructions Y964

> Passenger and Cargo Limited Maximum Qty / Pack 30 kg G

Sea transport (IMDG-Code / GGVSee)

UN number

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains bisphenot A/ diglycidyl ether resin, liquid) UN proper shipping name

IMDG Class Transport hazard class(es)

IMDG Subrisk Not Applicable

Packing group

Manne Poliutant

EMS Number F-A, S-F

Special precautions for user

Environmental hazard

Special provisions 274 335 969

Limited Quantities 5L

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Not Applicable

SECTION 15 REGULATORY INFORMATION

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

BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUID(25068-38-6) 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) - Appendix

F (Part 3)

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

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

E (Part 2)

BISPHENOL F GLYCIDYL ETHER/ FORMALDEHYDE COPOLYMER(28064-14-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

Australia inventory of Chemical Substances (AICS)

(C12-14)ALKYLGLYCIDYL ETHER(68609-97-2) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

Australia Inventory of Chemical Substances (AICS)

National Inventory Status Australia - AICS Υ Canada - DSL

N ((C12-14)alkylglycidyl ether; bisphenol A/ diglycidyl ether resin, liquid; bisphenol F glycidyl ether/ formaldehyde copolymer) Canada - NDSL

China - IECSC

Europe - EINEC / ELINCS / NLP N (bisphenol F glycidyl elher/ formaldehyde copolymer)

Japan - ENCS N ((C12-14)alkylglycidyl ether; bisphenol A/ diglycidyl ether resin, liquid)

Korea - KECI New Zealand - NZIoC Y Υ Philippines - PICCS USA - TSCA

Y = Altinomerance are on the inventory

Legend: H = Not determined at one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

SECTION 16 OTHER INFORMATION

Other information

Ingredients with multiple cas numbers

bisphenol A/ diglycidyl ether resin. liquid

25068-38-6, 25085-99-8

bisphenol F glycidyl ether/ formaldehyde copolymer

28064-14-4, 42616-71-7, 59029-73-1, 94422-39-6

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

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 Limits

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odour Safety Factor

NOAEL: No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection OTV: Odour Threshold Value

BCF: BioConcentration Factors

BEI: Biological Exposure Index

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