

DUNLOP Easy Clean Epoxy Grout Resin Part A New Formula Ardex (Ardex Australia)

Chemwatch: **5299-01** 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	DUNLOP Easy Clean Epoxy Grout Resin Part A New Formula	
Synonyms	Not Available	
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains bisphenol A/ diglycidyl ether resin, liquid)	
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)	
Address	20 Powers Road Seven Hills NSW 2147 Australia	
Telephone	1800 224 070	
Fax	1300 780 102	
Website	Not Available	
Email	Not Available	

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

Poisons Schedule	S5	
Classification ^[1]	Skin Corrosion/Irritation Category 2, Eye Irritation Category 2A, Skin Sensitizer Category 1, Chronic Aquatic Hazard Category 2	
Legend:	1. Classified by Chernwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI	

Label elements

Chemwatch Hazard Alert Code: 2

Issue Date: 01/11/2019

Print Date: 11/11/2020

S.GHS.AUS.EN

Signal word Warning

Hazard statement(s)

H315	Causes skin irritation.	
H319	Causes serious eye irritation.	
H317	May cause an allergic skin reaction.	
H411	Toxic to aquatic life with long lasting effects.	

Precautionary statement(s) Prevention

P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P261	void breathing mist/vapours/spray.	
P273	Avoid release to the environment.	
P272	72 Contaminated work clothing should not be allowed out of the workplace.	

Precautionary statement(s) Response

P321	Specific treatment (see advice on this label).	
P362	Take off contaminated clothing and wash before reuse.	
P302+P352	IF ON SKIN: Wash with plenty of water and soap.	
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		

Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

P501

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/ diglycidyl ether resin, liquid
28064-14-4	20-70	bisphenol F diglycidyl ether copolymer
68609-97-2	<20	(C12-14)alkylglycidyl ether

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, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
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.

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 full body protective clothing with breathing apparatus. 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.
Fire/Explosion Hazard	 Combustible. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO). Combustion products include: carbon dioxide (CO2) aldehydes 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	 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. 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.
Major Spills	 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. Moderate hazard. Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves.

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. Prevent concentration in hollows and sumps.
Other information	 Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area.

Conditions for safe storage, including any incompatibilities

Suitable container	 Metal can or drum Packaging as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.
Storage incompatibility	 Avoid 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

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 diglycidyl ether copolymer	Phenol, polymer with formaldehyde, oxiranylmethyl ether		30 mg/m3	330 mg/m3	2,000 mg/m3
Ingredient	Original IDLH	Revis	ed IDLH		
bisphenol A/ diglycidyl ether resin, liquid	Not Available	Not Av	vailable		
bisphenol F diglycidyl ether copolymer	Not Available	Not Av	vailable		
(C12-14)alkylglycidyl ether	Not Available	Not Av	vailable		
Occupational Exposure Bandin	g				
Ingredient	Occupational Exposure Band Rating	Осси	pational Exposur	e Band Limit	
bisphenol A/ diglycidyl ether resin, liquid	E	≤ 0.1	ppm		
bisphenol F diglycidyl ether	E	≤ 0.1	ppm		

bisphenol F diglycidyl ether copolymer	E	≤ 0.1 ppm
(C12-14)alkylglycidyl ether	E	≤ 0.1 ppm
Notes:	Occupational exposure banding is a process of assigning chemicals into s adverse health outcomes associated with exposure. The output of this pro range of exposure concentrations that are expected to protect worker hea	cess is an occupational exposure band (OEB), which corresponds to a

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.
Personal protection	
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 task.
Skin protection	See Hand protection below
Hands/feet protection	 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. 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 , boots and aprons. The performance, based on breakthrough times, of: Ethyl Vinyl Alcohol (EVAL laminate) is generally excellent Butyl Rubber ranges from excellent to good Nitrile Butyl Rubber (NBR) from excellent to fair. Neoprene 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 Foir breakthrough time > 20 min Por 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 an hardener, individually and collectively)

	absorb the resin).
Body protection	See Other protection below
Other protection	 Overalls. P.V.C apron. Barrier cream. Skin cleansing cream.

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 to 100	5000	-	A-2 P2
up to 100	10000	-	A-3 P2
100+			Airline**

* - Continuous Flow ** - Continuous-flow or positive pressure demand

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.

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	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	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
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

Inhaled	adrenal gland, central nervous system, kidney, liver, ovar Inhalation hazard is increased at higher temperatures.	ts (especially o-cresol glycidyl ether, CAS RN:2210-79-9) has been reported to affect th ries, spleen, testes, thymus and respiratory tract.
Ingestion	injury. However, swallowing larger amounts may cause in Animal testing showed that a single dose of bisphenol A Bisphenol A diglycidyl ethers (BADGEs) produce a sensi papules, with considerable itching of the back of the hand on re-exposure. The dermatitis may last longer following produce sensitization more readily. High molecular weight material; on single acute exposure	mall amounts swallowed incidental to normal handling operations are not likely to cause njury. diglycidyl ether (BADGE) given by mouth, caused an increase in immature sperm. tization dermatitis (skin inflammation) characterized by eczema with blisters and d. This may persist for 10-14 days after withdrawal from exposure and recur immediate each exposure, but is unlikely to become more intense. Lower molecular weight specie e would be expected to pass through gastrointestinal tract with little change / absorptior e alimentary tract may result in formation of a bezoar (concretion), producing discomfor
Skin Contact	and scaling. A liquid resin with a molecular weight of 350 Skin contact with reactive diluents may cause slight to mo burns. Open cuts, abraded or irritated skin should not be expose	condition act dermatitis characterized by redness and swelling, with weeping followed by crusting produced severe skin irritation when applied daily for 4 hours over 20 days. oderate irritation with local redness. Repeated or prolonged skin contact may cause ad to this material abrasions or lesions, may produce systemic injury with harmful effects. Examine the sk
Eye	This material can cause eye irritation and damage in som Eye contact with reactive diluents may cause slight to see cornea.	ne persons. vere irritation with the possibility of chemical burns or moderate to severe damage to th
Chronic	There has been some concern that this material can caus Substance accumulation, in the human body, may occur Based on experience with similar materials, there is a por- not cause other toxic effects. Bisphenol A diglycidyl ethers (BADGEs) produce a sensit papules, with considerable itching of the back of the hand on re-exposure. The dermatitis may last longer following produce sensitization more readily. For some reactive diluents, prolonged or repeated skin ca	ensitisation reaction in some persons compared to the general population. se cancer or mutations but there is not enough data to make an assessment. and may cause some concern following repeated or long-term occupational exposure. ssibility that exposure to the material may reduce fertility in humans at levels which do tization dermatitis (skin inflammation) characterized by eczema with blisters and d. This may persist for 10-14 days after withdrawal from exposure and recur immediate each exposure, but is unlikely to become more intense. Lower molecular weight specie ontact may result in absorption of potentially harmful amounts or allergic skin reactions ycol diglycidyl ether, CAS RN: 17557-23-2) has caused cancer in some animal testing.
	Bisphenol F is present in the environment and as a conta bisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional g are reactive, soluble and are highly irritating.	(bisphenol AF) and other diphenylalkanes were found to have oestrogen-like effects. aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes nones and when administered to pregnant women, may damage the foetus. It may also
DUNLOP Easy Clean Epoxy	Bisphenol F is present in the environment and as a conta bisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional g are reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm.	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes nones and when administered to pregnant women, may damage the foetus. It may also
DUNLOP Easy Clean Epoxy Grout Resin Part A New Formula	Bisphenol F is present in the environment and as a conta bisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional g are reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes
Grout Resin Part A New	Bisphenol F is present in the environment and as a conta bisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional g are reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes iones and when administered to pregnant women, may damage the foetus. It may also IRRITATION
Grout Resin Part A New	Bisphenol F is present in the environment and as a conta bisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional g are reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available	Aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes iones and when administered to pregnant women, may damage the foetus. It may also IRRITATION Not Available
Grout Resin Part A New	Bisphenol F is present in the environment and as a conta bisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional g are reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes nones and when administered to pregnant women, may damage the foetus. It may also IRRITATION Not Available IRRITATION
Grout Resin Part A New Formula	Bisphenol F is present in the environment and as a conta bisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional g are reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2]	IRRITATION
Grout Resin Part A New	Bisphenol F is present in the environment and as a conta bisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional g are reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2]	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes ones and when administered to pregnant women, may damage the foetus. It may also IRRITATION Not Available IRRITATION
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether	Bisphenol F is present in the environment and as a contabisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional gare reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: >500 mg/kg ^[2]	Aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes nones and when administered to pregnant women, may damage the foetus. It may also IRRITATION Not Available IRRITATION
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether	Bisphenol F is present in the environment and as a contabisphenol F has genetic toxicity as well as the ability to did This product contains a polymer with reactive functional gare reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: 15600 mg/kg ^[2]	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes ones and when administered to pregnant women, may damage the foetus. It may also IRRITATION Not Available IRRITATION
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether	Bisphenol F is present in the environment and as a contabisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional gare reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: 15600 mg/kg ^[2] Oral (mouse) LD50: >1000 mg/kg ^[2]	Aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes nones and when administered to pregnant women, may damage the foetus. It may also IRRITATION Not Available IRRITATION
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether	Bisphenol F is present in the environment and as a contabisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional gare reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: 15600 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2]	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes ones and when administered to pregnant women, may damage the foetus. It may also IRRITATION Not Available IRRITATION
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether resin, liquid bisphenol F diglycidyl ether	Bisphenol F is present in the environment and as a contabisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional gare reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: 15600 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2]	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes ones and when administered to pregnant women, may damage the foetus. It may also isrupt hormonal balance. IRRITATION Not Available IRRITATION Eye (rabbit): 100mg - Mild IRRITATION
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether resin, liquid	Bisphenol F is present in the environment and as a conta bisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional g are reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: >500 mg/kg ^[2] Oral (mouse) LD50: 15600 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2]	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes ones and when administered to pregnant women, may damage the foetus. It may also isrupt hormonal balance. IRRITATION Not Available IRRITATION Eye (rabbit): 100mg - Mild IRRITATION
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether resin, liquid bisphenol F diglycidyl ether	Bisphenol F is present in the environment and as a contabisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional gare reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: >500 mg/kg ^[2] Oral (mouse) LD50: 15600 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2]	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes ones and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus.
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether resin, liquid bisphenol F diglycidyl ether	Bisphenol F is present in the environment and as a contabisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional gare reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: >500 mg/kg ^[2] Oral (mouse) LD50: 15600 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2] Oral (rat) LD50: 1000 mg/kg ^[2]	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. It may also ones and when administered to pregnant women, may damage the foetus. IRRITATION Eye (rabbit): 100mg - Mild IRRITATION IRRITATION IRRITATION Eyes * (-) (-) Slight irritant Skin * (-) (-) Slight irritant Skin * (-) (-) Slight irritant
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether resin, liquid bisphenol F diglycidyl ether	Bisphenol F is present in the environment and as a contabisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional gare reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: >500 mg/kg ^[2] Oral (rat) LD50: 15600 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2] Oral (rat) LD50: 1000 mg/kg ^[2]	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes ones and when administered to pregnant women, may damage the foetus. It may also IRRITATION Not Available IRRITATION Eye (rabbit): 100mg - Mild IRRITATION Eye (rabbit): 100mg - Mild IRRITATION Eyes * (-) (-) Slight irritant Skin * (-) (-) Slight irritant IRRITATION
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether resin, liquid bisphenol F diglycidyl ether	Bisphenol F is present in the environment and as a contabisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional gare reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: >500 mg/kg ^[2] Oral (rat) LD50: 15600 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2] Oral (rat) LD50: 1000 mg/kg ^[2]	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes ones and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may damage the foetus. It may also increase and when administered to pregnant women, may also increase and increase and i
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether resin, liquid bisphenol F diglycidyl ether	Bisphenol F is present in the environment and as a contabisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional gare reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: >500 mg/kg ^[2] Oral (rat) LD50: 15600 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2] Oral (rat) LD50: 1000 mg/kg ^[2]	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes ones and when administered to pregnant women, may damage the foetus. It may also IRRITATION Not Available IRRITATION Eye (rabbit): 100mg - Mild IRRITATION Eye (rabbit): 100mg - Mild IRRITATION Eyes * (-) (-) Slight irritant Skin * (-) (-) Slight irritant IRRITATION Eye (rabbit): mild [Ciba] Eye: adverse effect observed (irritating) ^[1]
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether resin, liquid bisphenol F diglycidyl ether copolymer	Bisphenol F is present in the environment and as a contabisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional gare reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: >500 mg/kg ^[2] Oral (rat) LD50: 15600 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2] Oral (rat) LD50: 1000 mg/kg ^[2]	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes ones and when administered to pregnant women, may damage the foetus. It may also IRRITATION Not Available IRRITATION Eye (rabbit): 100mg - Mild IRRITATION Eye (rabbit): 100mg - Mild IRRITATION Eyes * (-) (-) Slight irritant Skin * (-) (-) Slight irritant IRRITATION Eye: adverse effect observed (irritating) ^[1] Skin (guinea pig): sensitiser
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether resin, liquid bisphenol F diglycidyl ether copolymer	Bisphenol F is present in the environment and as a contabisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional gare reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: >500 mg/kg ^[2] Oral (rat) LD50: 15600 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2] Oral (rat) LD50: 1000 mg/kg ^[2]	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes ones and when administered to pregnant women, may damage the foetus. It may also IRRITATION Not Available IRRITATION Eye (rabbit): 100mg - Mild IRRITATION Eye (rabbit): 100mg - Mild IRRITATION Eyes * (-) (-) Slight irritant Skin * (-) (-) Slight irritant IRRITATION Eye (rabbit): mild [Ciba] Eye: adverse effect observed (irritating) ^[1] Skin (guinea pig): sensitiser Skin (human): Irritant
Grout Resin Part A New Formula bisphenol A/ diglycidyl ether resin, liquid bisphenol F diglycidyl ether copolymer	Bisphenol F is present in the environment and as a contabisphenol F has genetic toxicity as well as the ability to di This product contains a polymer with reactive functional gare reactive, soluble and are highly irritating. Bisphenol A may have effects similar to female sex horm damage male reproductive organs and sperm. TOXICITY Not Available TOXICITY dermal (mouse) LD50: >1270 mg/kg ^[2] dermal (rat) LD50: >1200 mg/kg ^[2] Oral (mouse) LD50: >500 mg/kg ^[2] Oral (rat) LD50: 15600 mg/kg ^[2] Oral (rat) LD50: 11400 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2] Oral (rat) LD50: 13600 mg/kg ^[2] Oral (rat) LD50: 1000 mg/kg ^[2]	aminant of food, so humans may therefore be exposed to bisphenol. Testing shows isrupt hormonal balance. groups (aldehydes and phenolics) regarded as being of moderate concern. Aldehydes ones and when administered to pregnant women, may damage the foetus. It may also IRRITATION Not Available IRRITATION Eye (rabbit): 100mg - Mild IRRITATION Eyes * (-) (-) Slight irritant Skin * (-) (-) Slight irritant Eye (rabbit): mild [Ciba] Eye (rabbit): mild [Ciba] Eye: adverse effect observed (irritating) ^[1] Skin (guinea pig): sensitiser Skin (human): Irritant Skin (human): Irritant

Legend:	 Value obtained from Europe ECHA Registered Substa specified data extracted from RTECS - Register of Toxic 		ned from manufacturer's SDS. Unless otherwise
BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUID	Foetoxicity has been observed in animal studies Oral (rabbit, female) NOEL 180 mg/kg (teratogenicity; NOEL (maternal 60 mg/kg 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 diglycidyl ether (BADGE) caused mild to moderate, chronic, inflammation 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 humans. Genetic toxicity: Laboratory tests on genetic toxicity of BADGE have so far been negative. Immunotoxicity: Animal testing suggests regular injections of diluted BADGE may result in sensitization. Consumer exposure: Comsumer exposure to BADGE is almost exclusively from migration of BADGE from can coatings into food. Testing has not found any evidence of hormonal disruption.		
(C12-14)ALKYLGLYCIDYL ETHER	For 1,2-butylene oxide (ethyloxirane): In animal testing, ethyloxirane increased the incidence of tumours of the airways in animals exposed via inhalation. However, tumours were not observed in mice chronically exposed via skin. Two structurally related substances, oxirane (ethylene oxide) and methyloxirane (propylene oxide), which are also direct-acting alkylating agents, have been classified as causing cancer.		
BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUID & BISPHENOL F DIGLYCIDYL ETHER COPOLYMER & (C12-14)ALKYLGLYCIDYL ETHER	The following information refers to contact allergens as a group and may not be specific to this product. Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Other allergic skin reactions, e.g. contact urticaria, involve antibody-mediated immune reactions. The significance of the contact allergen is not simply determined by its sensitisation potential: the distribution of the substance and the opportunities for contact with it are equally important.		
BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUID & BISPHENOL F DIGLYCIDYL ETHER 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.		
BISPHENOL F DIGLYCIDYL ETHER COPOLYMER & (C12-14)ALKYLGLYCIDYL ETHER	Oxiranes (including glycidyl ethers and alkyl oxides, and such oxirane is ethyloxirane; data presented here may b		racteristics with respect to animal toxicology. One
Acute Toxicity	×	Carcinogenicity	X
Skin Irritation/Corrosion	¥	Reproductivity	×
Serious Eye Damage/Irritation	×	STOT - Single Exposure	×
Respiratory or Skin sensitisation	✓	STOT - Repeated Exposure	×
Schollouten			

SECTION 12 Ecological information

DUNLOP Easy Clean Epoxy	Endpoint	Test Duration (hr)	Species	Value	Source
Grout Resin Part A New Formula	Not Available	Not Available	Not Available	Not Available	Not Available
bisphenol A/ diglycidyl ether	Endpoint	Test Duration (hr)	Species	Value	Source
resin, liquid	EC50	48	Crustacea	ca.2mg/L	2
	Endpoint	Test Duration (hr)	Species	Value	Source
bisphenol F diglycidyl ether copolymer	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Value	Source
	LC50	96	Fish	>5-mg/L	2
(C12-14)alkylglycidyl ether	EC50	48	Crustacea	6.07mg/L	2
	NOEL	48	Crustacea	1.8mg/L	2
Legend:	V3.12 (QSAR	•	CHA Registered Substances - Ecotoxicological In . US EPA, Ecotox database - Aquatic Toxicity Dat	a 5. ECETOC Aquatic Hazard A	

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	HIGH	HIGH

Ingredient	Persistence: Water/Soil	Persistence: Air
resin, liquid		
Bioaccumulative potential		
Ingredient	Bioaccumulation	
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: Redusein 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 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 consult manufacturer for recycling options. Consult State Land Waste Authority for disposal. Bury or incinerate residue at an approved site.

SECTION 14 Transport information

abels Required	
Marine Pollutant	
HAZCHEM	•3Z

Land transport (ADG)

Land transport (ADG)		
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)	Class 9 Subrisk Not Applicable	
Packing group	II	
Environmental hazard	Environmentally hazardous	
Special precautions for user	Special provisions274 331 335 375 AU01Limited quantity5 L	

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

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

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

Air transport (ICAO-IATA / DGR)

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

Sea transport (IMDG-Code / GGVSee)

UN number	3082		
UN proper shipping name	ENVIRONMENTALLY	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains bisphenol A/ diglycidyl ether resin, liquid)	
Transport hazard class(es)	IMDG Class 9 IMDG Subrisk N	lot Applicable	
Packing group	Ш		
Environmental hazard	Marine Pollutant		
Special precautions for user	EMS Number Special provisions Limited Quantities	F-A , S-F 274 335 969 5 L	

Transport in bulk according to Annex II of MARPOL and the IBC code Not Applicable

SECTION 15 Regulatory information

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

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 2

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

bisphenol F diglycidyl ether copolymer is found on the following regulatory lists Australian Inventory of Industrial Chemicals (AIIC)

(C12-14)alkylglycidyl ether is found on the following regulatory lists Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australian Inventory of Industrial Chemicals (AIIC) Australian Inventory of Industrial Chemicals (AIIC) Chemical Footprint Project - Chemicals of High Concern List

Chemical Footprint Project - Chemicals of High Concern List

Chemical Footprint Project - Chemicals of High Concern List

National Inventory Status

National Inventory	Status
Australia - AIIC	Yes
Australia - Non-Industrial Use	No (bisphenol A/ diglycidyl ether resin, liquid; bisphenol F diglycidyl ether copolymer; (C12-14)alkylglycidyl ether)
Canada - DSL	Yes
Canada - NDSL	No (bisphenol A/ diglycidyl ether resin, liquid; bisphenol F diglycidyl ether copolymer; (C12-14)alkylglycidyl ether)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	No (bisphenol F diglycidyl ether copolymer)
Japan - ENCS	No ((C12-14)alkylglycidyl ether)
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes

Issue Date: 01/11/2019 Print Date: 11/11/2020

DUNLOP Easy Clean Epoxy Grout Resin Part A New Formula

National Inventory	Status
Taiwan - TCSI	Yes
Mexico - INSQ	No (bisphenol F diglycidyl ether copolymer; (C12-14)alkylglycidyl ether)
Vietnam - NCI	Yes
Russia - ARIPS	Yes
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

SECTION 16 Other information

Revision Date	01/11/2019
Initial Date	15/03/2018

SDS Version Summary

Version	Issue Date	Sections Updated
3.1.1.1	01/11/2019	One-off system update. NOTE: This may or may not change the GHS classification

Other information

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

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

Definitions and abbreviations

PC-TWA: Permissible Concentration-Time Weighted Average PC-STEL: Permissible Concentration-Short Term Exposure Limit IARC: International Agency for Research on Cancer ACGIH: American Conference of Governmental Industrial Hygienists STEL: Short Term Exposure Limit TEEL: Temporary Emergency Exposure Limit。 IDLH: Immediately Dangerous to Life or Health Concentrations OSF: Odour Safety Factor NOAEL :No Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level TLV: Threshold Limit Value LOD: Limit Of Detection OTV: Odour Threshold Value BCF: BioConcentration Factors BEI: Biological Exposure Index 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.

