

EPIREZ CHOCKFAST RED SG HARDENER

Chemwatch Material Safety Data Sheet
Issue Date: 23-Jun-2008
C9317EC

CHEMWATCH 15-8254
Version No:2.0
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Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

EPIREZ CHOCKFAST RED SG HARDENER

SYNONYMS

"Product Code: D11960"

PROPER SHIPPING NAME

AMINES, LIQUID, CORROSIVE, N.O.S. (triethylenetetramine)

PRODUCT USE

Curing agent for epoxy resin.

SUPPLIER

Company: ITW POLYMERS & FLUIDS

Address:

100 Hassall Street

Wetherill Park

NSW, 2164

AUS

Telephone: +61 2 9757 8800

Emergency Tel: +61 2 9757 8800

Fax: +61 2 9757 3855

Section 2 - HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

HAZARDOUS SUBSTANCE. DANGEROUS GOODS. According to the Criteria of NOHSC, and the ADG Code.

COMBUSTIBLE LIQUID, regulated under AS1940 for Bulk Storage purposes only.

POISONS SCHEDULE

S5

RISK

Harmful in contact with skin.

Causes burns.

Risk of serious damage to eyes.

May cause SENSITISATION by skin contact.

Harmful to aquatic organisms may cause

long- term adverse effects in the

aquatic environment.

SAFETY

Keep locked up.

Wear suitable protective clothing.

To clean the floor and all objects contaminated by this material use water and detergent.

Take off immediately all contaminated clothing.

In case of accident or if you feel unwell

IMMEDIATELY contact Doctor or Poisons

Information Centre (show label if possible).

This material and its container must be disposed

of as hazardous waste.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
triethylenetetramine	112-24-3	>60

Section 4 - FIRST AID MEASURES

SWALLOWED

- 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.

EYE

If this product comes in contact with the eyes:

- Immediately hold eyelids apart and flush the eye continuously with 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.

continued...

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Section 4 - FIRST AID MEASURES

SKIN

If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).

INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.

NOTES TO PHYSICIAN

Treat symptomatically.

For acute or short-term repeated exposures to highly alkaline materials:

- Respiratory stress is uncommon but present occasionally because of soft tissue edema.
- Unless endotracheal intubation can be accomplished under direct vision, cricothyroidotomy or tracheotomy may be necessary.

Section 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- Water spray or fog.
- Foam.

FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
 - Wear full body protective clothing with breathing apparatus.
- When any large container (including road and rail tankers) is involved in a fire, consider evacuation by 800 metres in all directions.

FIRE/EXPLOSION HAZARD

- Combustible.
 - Slight fire hazard when exposed to heat or flame.
- Combustion products include: carbon dioxide (CO₂), nitrogen oxides (NO_x).

FIRE INCOMPATIBILITY

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc.

HAZCHEM: 2X

Personal Protective Equipment

Gas tight chemical resistant suit.

Section 6 - ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES

MINOR SPILLS

- Remove all ignition sources.
- Clean up all spills immediately.

MAJOR SPILLS

- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

Section 7 - HANDLING AND STORAGE

PROCEDURE FOR 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.

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.

SUITABLE CONTAINER

- Metal can or drum
- Packaging as recommended by manufacturer.
- DO NOT USE brass or copper containers / stirrers.

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Section 7 - HANDLING AND STORAGE

STORAGE INCOMPATIBILITY

Avoid storage with oxidisers and strong acids.

STORAGE REQUIREMENTS

- Store in original containers.
- Keep containers securely sealed.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

The following materials had no OELs on our records

- triethylenetetramine:

CAS:112- 24- 3

PERSONAL PROTECTION

RESPIRATOR

Type AK-P Filter of sufficient capacity

EYE

- Chemical goggles.
- Full face shield may be required for supplementary but never for primary protection of eyes.

HANDS/FEET

Wear chemical protective gloves, eg. PVC.

When handling corrosive liquids, wear trousers or overalls outside of boots, to avoid spills entering boots.

Leather wear not recommended: Contaminated leather footwear, watch bands, should be destroyed, i.e. burnt, as they cannot be adequately decontaminated.

OTHER

Overalls or - Impervious protective clothing.

- Eyewash unit.

ENGINEERING CONTROLS

Use in a well-ventilated area.

General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances.

Refer also to protective measures for the other component used with the product. Read both MSDS before using; store and attach MSDS together.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Clear to light yellowish liquid with an amine odour; mixes with water.

PHYSICAL PROPERTIES

Liquid.

Mixes with water.

Corrosive.

Alkaline.

Molecular Weight: Not applicable
Melting Range (°C): Not available
Solubility in water (g/L): Miscible
pH (1% solution): 10- 11 (5% solution)
Volatile Component (%vol): Not available
Relative Vapour Density (air=1): >1
Lower Explosive Limit (%): Not Available
Autoignition Temp (°C): Not available
State: Liquid

Boiling Range (°C): >230
Specific Gravity (water=1): 0.98
pH (as supplied): Not available
Vapour Pressure (kPa): Negligible
Evaporation Rate: Not available
Flash Point (°C): 118
Upper Explosive Limit (%): Not Available
Decomposition Temp (°C): Not Available
Viscosity: Not Available

Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- Product is considered stable.

continued...

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Section 11 - TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

Harmful in contact with skin.

Causes burns.

Risk of serious damage to eyes.

Can be absorbed through skin.

CHRONIC HEALTH EFFECTS

May cause SENSITISATION by skin contact.

TOXICITY AND IRRITATION

Not available. Refer to individual constituents.

TRIETHYLENETETRAMINE:

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

TOXICITY

Oral (rat) LD50: 2500 mg/kg

Dermal (rabbit) LD50: 805 mg/kg

IRRITATION

Skin (rabbit): 490 mg Open SEVERE

Skin (rabbit): 5 mg/24 SEVERE

Eye (rabbit): 49 mg - SEVERE

Eye (rabbit):20 mg/24 h - Moderate

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.

Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound.

The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

The material may produce severe skin irritation after prolonged or repeated exposure, and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) thickening of the epidermis.

Exposure to the material for prolonged periods may cause physical defects in the developing embryo (teratogenesis).

Section 12 - ECOLOGICAL INFORMATION

Harmful to aquatic organisms.

Section 13 - DISPOSAL CONSIDERATIONS

- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Management Authority for disposal.

Section 14 - TRANSPORTATION INFORMATION



Labels Required: CORROSIVE
HAZCHEM: 2X

UNDG:

Dangerous Goods

8

Subrisk:

None

Class:

UN Number:

2735

Packing Group:

II

Shipping Name:AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID,
CORROSIVE, N.O.S.

Air Transport IATA:

ICAO/IATA Class:

8

ICAO/IATA Subrisk:

None

UN/ID Number:

2735

Packing Group:

II

Special provisions:

A3

Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. *

continued...

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Section 14 - TRANSPORTATION INFORMATION

Maritime Transport IMDG:

IMDG Class:	8	IMDG Subrisk:	None
UN Number:	2735	Packing Group:	II
EMS Number:	F- A, S- B	Special provisions:	274 944
Limited Quantities:	1 L	Marine Pollutant:	Not Determined

Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. or
POLYAMINES, LIQUID, CORROSIVE, N.O.S.

Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE: S5

REGULATIONS

Epirez Chockfast Red SG Hardener (CAS: None):

No regulations applicable

triethylenetetramine (CAS: 112-24-3) is found on the following regulatory lists;

Australia Hazardous Substances

Australia Inventory of Chemical Substances (AICS)

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Appendix E (Part 2)

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Appendix F (Part 3)

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 4

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 5

GESAMP/EHS Composite List of Hazard Profiles - Hazard evaluation of substances transported by ships

IMO IBC Code Chapter 17: Summary of minimum requirements

IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk

OECD Representative List of High Production Volume (HPV) Chemicals

Section 16 - 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.

A list of reference resources used to assist the committee may be found at:

www.chemwatch.net/references.

The (M)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.

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Issue Date: 23-Jun-2008

Print Date: 23-Jun-2008

EPIREZ CHOCKFAST RED SG RESIN

Chemwatch Material Safety Data Sheet
Issue Date: 19-Jun-2008
C9317EC

CHEMWATCH 15-8255
Version No:2.0
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Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

EPIREZ CHOCKFAST RED SG RESIN

SYNONYMS

"Product Code: 11960"

PROPER SHIPPING NAME

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

PRODUCT USE

Resin component of two part epoxy system. NOTE: The product is unregulated for Road and Rail transport when transported in (a) packagings; (b) IBCs; or (c) any other receptacle not exceeding 500 kg(L).

SUPPLIER

Company: ITW POLYMERS & FLUIDS
Address:
100 Hassall Street
Wetherill Park
NSW, 2164
AUS
Telephone: +61 2 9757 8800
Emergency Tel: +61 2 9757 8800
Fax: +61 2 9757 3855

Section 2 - HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

HAZARDOUS SUBSTANCE. DANGEROUS GOODS. According to the Criteria of NOHSC, and the ADG Code.

POISONS SCHEDULE

S5

RISK

Irritating to eyes and skin.
May cause SENSITISATION by skin contact.
Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

SAFETY

Do not breathe gas/fumes/vapour/spray.
Use only in well ventilated areas.
Keep container in a well ventilated place.

Avoid exposure - obtain special instructions before use.
To clean the floor and all objects contaminated by this material use water and detergent.
Keep container tightly closed.
This material and its container must be disposed of in a safe way.
Take off immediately all contaminated clothing.
In case of contact with eyes rinse with plenty of water and contact Doctor or Poisons Information Centre.
If swallowed IMMEDIATELY contact Doctor or Poisons Information Centre. (show this container or label).
Use appropriate container to avoid environmental contamination.
Avoid release to the environment. Refer to special instructions/Safety data sheets.
This material and its container must be disposed of as hazardous waste.

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EPIREZ CHOCKFAST RED SG RESIN

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Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
bisphenol A/ epichlorohydrin resin, liquid	25068-38-6	30-60
cyclohexanedimethanol diglycidyl ether	14228-73-0	10-30
gamma- butyrolactone	96-48-0	<10

Section 4 - FIRST AID MEASURES

SWALLOWED

- 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.

EYE

- 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.

SKIN

- If skin contact occurs:
- Immediately remove all contaminated clothing, including footwear.
 - Flush skin and hair with running water (and soap if available).

INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.

NOTES TO PHYSICIAN

Treat symptomatically.

Section 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- Foam.
- Dry chemical powder.

FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
 - Wear full body protective clothing with breathing apparatus.
- When any large container (including road and rail tankers) is involved in a fire, consider evacuation by 100 metres in all directions.

FIRE/EXPLOSION HAZARD

- The material is not readily combustible under normal conditions.
 - However, it will break down under fire conditions and the organic component may burn.
- Combustion products include: carbon dioxide (CO₂), aldehydes, other pyrolysis products typical of burning organic material.

FIRE INCOMPATIBILITY

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc.

HAZCHEM: 2X

Personal Protective Equipment

Gas tight chemical resistant suit.

Section 6 - ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES

MINOR SPILLS

- Slippery when spilt.
Environmental hazard - contain spillage.
- Clean up all spills immediately.
 - Avoid breathing vapours and contact with skin and eyes.

continued...

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Section 6 - ACCIDENTAL RELEASE MEASURES

MAJOR SPILLS

Slippery when spilt.

Environmental hazard - contain spillage.

Moderate hazard.

- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

Section 7 - HANDLING AND STORAGE

PROCEDURE FOR 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.

SUITABLE CONTAINER

- Metal can or drum
- Packaging as recommended by manufacturer.

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. Avoid reaction with amines, mercaptans, strong acids and oxidising agents.

STORAGE REQUIREMENTS

- Store in original containers.
- Keep containers securely sealed.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

The following materials had no OELs on our records

- bisphenol A/ epichlorohydrin resin, liquid:
- cyclohexanedimethanol diglycidyl ether:
- gamma- butyrolactone:

CAS:25068- 38- 6 CAS:25085- 99- 8

CAS:14228- 73- 0

CAS:96- 48- 0

PERSONAL PROTECTION

RESPIRATOR

Type A-P Filter of sufficient capacity

EYE

- Safety glasses with side shields.
- Chemical goggles.

HANDS/FEET

- 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 polyethylene gloves (which absorb the resin).

Suitability and durability of glove type is dependent on usage. Factors such as:

- frequency and duration of contact,
- chemical resistance of glove material,.

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.

OTHER

- Overalls.
- P.V.C. apron.

ENGINEERING CONTROLS

General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances.

Refer also to protective measures for the other component used with the product. Read both MSDS before using; store and attach MSDS together.

continued...

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Viscous liquid; insoluble in water.

PHYSICAL PROPERTIES

Liquid.

Does not mix with water.

Sinks in water.

Molecular Weight: Not Applicable
Melting Range (°C): Not Available
Solubility in water (g/L): Immiscible
pH (1% solution): 7 (5% slurry in water)
Volatile Component (%vol): Not Applicable
Relative Vapour Density (air=1): >1
Lower Explosive Limit (%): Not Available
Autoignition Temp (°C): Not Available
State: Liquid

Boiling Range (°C): >260
Specific Gravity (water=1): 1.15
pH (as supplied): Not Applicable
Vapour Pressure (kPa): Negligible
Evaporation Rate: Not Applicable
Flash Point (°C): Not Available
Upper Explosive Limit (%): Not Available
Decomposition Temp (°C): Not Available
Viscosity: Not Available

Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- Product is considered stable.

Section 11 - TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

Irritating to eyes and skin.

CHRONIC HEALTH EFFECTS

May cause SENSITISATION by skin contact.

TOXICITY AND IRRITATION

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.
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.

BISPHENOL A/ EPICHLOROHYDRIN RESIN, LIQUID:

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

TOXICITY

Oral (rat) LD50: 11400 mg/kg

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.

IRRITATION

Eye (rabbit): 100mg - Mild

CYCLOHEXANEDIMETHANOL DIGLYCIDYL ETHER:

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

TOXICITY

Oral (rat) LD50: 2450 mg/kg

IRRITATION

Nil Reported [ITW Devcon]

GAMMA-BUTYROLACTONE:

unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances.

TOXICITY

Oral (rat) LD50: 1540 mg/kg

Dermal (g.pig) LD50: >5000 mg/kg

IRRITATION

Skin (rabbit): non-irritating *

Eye (rabbit): SEVERE

* [Manuf. ISP]

The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

The systemic toxicity of gamma-butyrolactone (GBL) has been investigated in a full 2-year bioassay in rats and mice that employed gavage dosing (NTP, 1992). The most sensitive effect observed in these studies was clinical signs of CNS toxicity (lethargy) with a NOAEL of 112 mg/kg-day in rats. The only other treatment-related effect observed in rats and mice was for decreased body weight. Thymic depletion was observed in high dose male mice. The authors attributed this reduction to stress induced by fighting in high-dose males. The increased incidence of thymic depletion was similar in both the low- and high-dose males. The relevance of the thymus effects remains uncertain.

In other studies, no prenatal developmental effects were observed in rats at doses up to 500 mg/kg-day, while decreased testicular weight was reported in a short-term reproductive study with a LOAEL of 667 mg/kg-day.

GBL is metabolised in animals to gamma-hydroxybutyrate. (GHB). The oral toxicity data for GHB are primarily from clinical studies in human subjects or from case reports of oral poisonings. Transient dizziness and a sense of dullness in 50% of human subjects following a single oral dose of 12.5 mg/kg were observed. Standardized measure of psychomotor performance was not affected at this dose. Another study reported on the effects of single oral doses of 35-63 mg/kg GHB in human volunteers. All participants reported drowsiness during the experiment, and some participants receiving doses over 50 mg/kg were rendered unconscious. Medical anesthetic doses of GHB are typically in the range of 60 mg/kg.

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Section 11 - TOXICOLOGICAL INFORMATION

A full 2-year cancer bioassay by the oral route has been conducted for the tetrahydrofuran (THF) - GBL is the major metabolite of THF (NTP, 1992). This study which showed no evidence of carcinogenicity in rats (male and female) or female mice. The authors concluded that there was equivocal evidence of carcinogenic potential, based on increased incidence of adrenal medulla pheochromocytomas and hyperplasia. Mode-of-action studies for THF following exposure by the inhalation route also suggest that THF itself rather than a metabolite might be responsible for the observed liver and kidney responses. Based on these mode-of-action data and the difference in tumor responses for THF and GBL in NTP (1992) bioassays, the cancer bioassay data for THF metabolites cannot be used directly for the assessment of THF carcinogenicity in humans.

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.

Section 12 - ECOLOGICAL INFORMATION

Toxic to aquatic organisms.

Data for ingredients:

GAMMA-BUTYROLACTONE:

Aquatic toxicity: 48hr LC50 (minnow): 100-500 mg/l

[ISP]

Section 13 - DISPOSAL CONSIDERATIONS

- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Management Authority for disposal.

Section 14 - TRANSPORTATION INFORMATION



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.

Labels Required: MISCELLANEOUS

HAZCHEM: 2X

UNDG:

Dangerous Goods 9 Subrisk: None

Class: Class: Packing Group: III

UN Number: 3082 Packing Group: III

Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(contains bisphenol A/ epichlorohydrin resin, liquid)

Air Transport IATA:

ICAO/IATA Class: 9 ICAO/IATA Subrisk: None

UN/ID Number: 3082 Packing Group: III

Special provisions: A97

Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. *

Maritime Transport IMDG:

IMDG Class: 9 IMDG Subrisk: None

UN Number: 3082 Packing Group: III

EMS Number: F- A, S- F Special provisions: 274 909 944

Limited Quantities: 5 L Marine Pollutant: Not Determined

Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.

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Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE: S5

REGULATIONS

Epirez Chockfast Red SG Resin (CAS: None):

No regulations applicable

bisphenol A/ epichlorohydrin resin, liquid (CAS: 25068-38-6) is found on the following regulatory lists;

Australia Hazardous Substances

Australia Inventory of Chemical Substances (AICS)

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Appendix E (Part 2)

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Appendix F (Part 3)

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 4

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 5

OECD Representative List of High Production Volume (HPV) Chemicals

bisphenol A/ epichlorohydrin resin, liquid (CAS: 25085-99-8) is found on the following regulatory lists;

Australia Inventory of Chemical Substances (AICS)

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Appendix E (Part 2)

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Appendix F (Part 3)

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 4

Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) - Schedule 5

OECD Representative List of High Production Volume (HPV) Chemicals

cyclohexanedimethanol diglycidyl ether (CAS: 14228-73-0) is found on the following regulatory lists;

Australia Inventory of Chemical Substances (AICS)

Section 16 - OTHER INFORMATION

Denmark Advisory list for selfclassification of dangerous substances

Substance	CAS	Suggested codes
cyclohexanedimethanol diglycidyl ether	14228- 73- 0	Mut3; R40 Carc3; R40 R43

INGREDIENTS WITH MULTIPLE CAS NUMBERS

Ingredient Name

bisphenol A/ epichlorohydrin resin, liquid

CAS

25068- 38- 6, 25085- 99- 8

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.

A list of reference resources used to assist the committee may be found at:

www.chemwatch.net/references.

The (M)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.

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