DEKS

Technical Documents

1: Drawing 2046, 2 Part Epoxy 1 Litre

2: Drawing 2286, 2 Part Epoxy 4 Litre

3: Drawing 2287, 2 Part Epoxy 8 Litre

4: Drawing 2040, 2 Part Epoxy 20 Litre

5: SDS for 2 Part Epoxy

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PART NO	DISPLAY NAME	MATERIAL
2046	DEKS 2-PART EPOXY (1L)	2-PART EPOXY (500ML BASE + 500ML HARDENER)

PART NO	DISPLAY NAME	MATERIAL
2286	DEKS 2-PART EPOXY (4L)	2-PART EPOXY (2L BASE + 2L HARDENER)

PART NO	DISPLAY NAME	MATERIAL
2287	DEKS 2-PART EPOXY (8L)	2-PART EPOXY (4L BASE + 4L HARDENER)

PART NO	DISPLAY NAME	MATERIAL
2040	DEKS 2-PART EPOXY (20L)	2-PART EPOXY (10L BASE + 10L HARDENER)

SAFETY DATA SHEET

Section 1. Identification

Product Identifier: DEKS EPOXY JOINTING COMPOUND – **HARDENER.**

Other means of identification: Proper Shipping name: -

Product code: 2046 (500 ml), 2286 (2 L), 2287 (4 L), 2040 (10 L)

Recommended use of the chemical and restrictions on use:

Hardener of a two-part industrial adhesive product.

Details of manufacturer or importer:

Deks Industries PTY Ltd
2 Logis Blvd, Dandenong South
VIC 3175. Australia

Telephone Number: +61 3 8727 8800 (During business hours)

Emergency Telephone number
After hours: Please contact the POISON CENTER (131 126) or a doctor/physician

Section 2: Hazards Identification

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Based on available information, classified as hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

Poisons Schedule (SUSMP): No data available

Skin corrosion/irritation (Category 2)
Eye irritant, (Category 2A)

Signal Word: Warning

Hazard Statements:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statements

Prevention

P261: Avoid breathing dust/fume/gas/mist/vapour/spray
P264: Wash hands thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.

Storage

P403 + P235 Store in a well-ventilated place. Keep container tightly closed.

Other hazards

None

Hazard Symbols

Section 3. Composition and information on ingredients

Chemical Identity	Synonym	CAS Number	Proportions (%w/w)
Polyamide Hardener	--	68082-29-1	40-50
Triethylenetetramine	--	112-24-3	4-6
Non-hazardous fillers	--	--	40-50

Section 4. First aid measures

In case of poisoning contact a doctor or Poisons Information Centre on 131 126, New Zealand 0800 Have the product label or SDS with you when calling or going for treatment.
Ingestion: If swallowed, do NOT induce vomiting: rinse mouth thoroughly with water and contact Poisons Information Centre. or if swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Skin Contact: Take off all contaminated clothing immediately. Wash off immediately with plenty soap and water. If irritation persists, call a physician. Wash contaminated clothing before re-use.

Inhalation: Move person to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or Poisons Information Centre immediately.

Symptoms caused by exposure: Symptoms include inflammation of the mouth, throat and oesophagus, gastrointestinal discomfort and diarrhoea

Medical attention and special treatment: No data available

Section 5. Firefighting measures

Suitable extinguishing equipment:

Use fire extinguishing methods suitable to surrounding conditions. Use Water spray or fog. foam, carbon dioxide or dry chemical.

Specific Hazards arising from the chemical:

No data available.

Special protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

Hazchem Code: No data available.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away. Do not touch or walk-through spilled material. Provide adequate ventilation.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:

Due to its viscous nature, this product is not expected to leak or spill. Collect liquid spill with an inert absorbent material and place into a suitable container for disposal.

Section 7. Handling and storage

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Section 8. Exposure controls and personal protection

Component	TWA 8h	TWA 5 days	STEL	Peak limitations (if available)
Triethylenetetramine	No value	No value	No value	No value
Polyamide Hardener	No value	No value	No value	No value

No value -- No exposure standard assigned for this specific material by Safe Work Australia. However, Workplace Exposure Standard(s) for constituents(s) has been shown in table if available.

Note: As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.
TWA - The time-weighted average airborne concentration of a substance when calculated over an eight-hour working day, for a five-day working week.
These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as clear defining points between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Biological monitoring:

No biological limits allocated.

Control banding:

No data available.

Engineering controls:

In high use industrial applications, suitable mechanical ventilations systems should be available in the work area

Individual protection measures, for example personal protective equipment (PPE):

Eye and face protection

Wear suitable safety glasses/goggles and face shield that is designed to relevant Australian standards.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (Without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination that meets Australian Standards.

Thermal hazards No data available

Other information.

Reference standards for (PPE).
Respiratory protection: AS/NZS 1715 and AS/NZS 1716.
Gloves: AS/NZS 2161.1.
Eye protection: AS/NZS 1336 and AS/NZS 1337

Section 9. Physical and chemical properties

Appearance: Paste, light grey/black.
Odour: Characteristic.
Odour threshold: No data available.
pH: No data available.
Melting point/freezing point: No data available.
Boiling point and boiling range: No data available.
Flash point: No data available.
Evaporation rate: No data available.
Flammability (solid, gas): No data available.
Upper/lower flammability or explosive limits: Not flammable.
Vapour pressure: No data available.
Vapour density: No data available.
Relative density: No data available.
Solubility: Not miscible or difficult to mix in water.
Partition coefficient: n-octanol/water: No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Viscosity: No data available.

Other physical/chemical parameters

Specific heat value: No data available.
Saturated vapour concentration: No data available.
Release of invisible flammable vapours and gases: Not flammable.
Particle size (average and range): No data available.
Size distribution: No data available.
Shape and aspect ratio: No data available.
Crystallinity: No data available.
Dustiness: No data available.
Surface area: No data available.
Degree of aggregation or agglomeration, and dispersibility: No data available.
Redox potential: No data available.
Biodurability or biopersistence: No data available.
Surface coating or chemistry: No data available.

Section 10. Stability and reactivity

Reactivity: Not reactive under normal conditions of use.
Chemical stability: Stable under normal storage and handling conditions.
Possibility of hazardous reactions: No dangerous reactions known.
Conditions to avoid: No data available.
Incompatible materials: Oxidizing agents.
Hazardous decomposition products: Not expected under normal conditions of use.
Combustion or thermal decomposition will evolve toxic and irritant vapours.

Section 11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Material is an irritant to mucous membranes and respiratory tract.
Skin contact: Contact with skin will result in irritation.
Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Eye contact: An eye irritant.

Acute toxicity

Skin corrosion/irritation: Skin irritant.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitisation: No data available.
Aspiration hazard: No data available.

Chronic Toxicity

Germ cell mutagenicity: No data available.
Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity: No data available.
Specific target organ toxicity (STOT) - single exposure: No data available.
Specific target organ toxicity (STOT) - repeated exposure: No data available.
Aspiration hazard: No data available.
Additional Information: Burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting. To the best of our knowledge, the chemical, physical, and toxicological properties for this mixture have not been thoroughly investigated.

Information on possible routes of exposure (Based on Triethylenetetramine)

Oral toxicity: LD50 = 2,500 mg/kg – Rat.
Inhalation: No data available.
Dermal toxicity: LD50 = 550 mg/kg – Rabbit.

Information on early onset of symptoms related to exposure

No data available.

Delayed health effects from exposure

No data available.

Exposure levels and health effects

No data available. Take precautionary approach exposure levels.

Interactive effects

Health effects from exposure can be worsened by drinking alcohol, taking medication or smoking. Pre-existing medical conditions such as asthma, high blood pressure or a predisposition to allergic reactions may increase risk.

Other information

Material is an irritant to the eyes and skin. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12. Ecological Information

Avoid contaminating waterways.
Acute aquatic hazard: No data available.
Long-term aquatic hazard: No data available.

Ecotoxicity:
No data available

	Toxicity to fish:	**Toxicity to and other aquatic invertebrates:**	**Toxicity to algae and other aquatic plants:**
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Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: Mixture - No data available.
Other adverse effects: No information available (environmental fate, ozone depletion, photochemicalozone creation potential, endocrine-disruption potential and global warming potential.)

Section 13. Disposal consideration

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see “Section 8. Exposure Controls and Personal Protection” of this SDS.

If possible, material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional national and international Regulations.

Section 14. Transport Information

ROAD AND RAIL TRANSPORT

Not Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail. (ADG Code).

Special precautions for user: No data available.

Additional information: No data available

MARINE TRANSPORT

Not Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

This material is not subject to the following international agreements:

- Montreal Protocol (Ozone depleting substances)
- The Stockholm Convention (Persistent Organic Pollutants)
- The Rotterdam Convention (Prior Informed Consent)
- Basel Convention (Hazardous Waste)
- International Convention for the Prevention of Pollution from Ships (MARPOL).

This material/constituent(s) is covered by the following requirements:

- the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act 1989 (Cwlth) (as amended). If so, list the relevant Poisons Schedule number. (No data available).
- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

Section 16. Other Information

Date of preparation: 23/03/2022
Reason for re-issue: Full review 18/06/2024
Prepared by ChemVit Consulting Pty Ltd

Source of data

This SDS has been prepared in accordance the Safe Work Australia Preparation of safety data sheets for hazardous chemicals Code of Practice prepared under the Work Health and Safety Act and Work Health and Safety Regulations.
Code of Practice: Labelling of workplace hazardous chemicals
'Standard for the Uniform Scheduling of Medicines and Poisons'

Hazard Classification

Australian Inventory of Chemical Substances (AICS) (NICNAS)
Chemical Assessment Reports (NICNAS)
Workplace Exposure Standards for Airborne Contaminants
Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
(United Nations) Global Portal to Information on Chemical Substances (OECD).
OECD means the Organisation for Economic Cooperation and Development.
Hazardous Chemical Information System
European Chemicals Agency (ECHA)

Other references

National Road Transport Commission, Australian Code for the Transport of Dangerous Goods by Road and Rail, Edition 7.8, 2022.
Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.
Australian and New Zealand Emergency Response Guidebook 2021

Key abbreviations or acronyms used

< Less Than. > Greater Than. AICS Australian Inventory of Chemical Substances. atm Atmosphere. CAS Chemical Abstracts Service (Registry Number). cm^2 Square Centimetres. deg C (°C) Degrees Celsius. g Grams g/cm^3 Grams per Cubic Centimetre. g/l Grams per Litre. IDLH Immediately Dangerous to Life and Health. LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period, usually 1 or 4 hours.	LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals. NIOSH National Institute for Occupational Safety and Health. NOHSC National Occupational Health and Safety Commission. OECD Organisation for Economic Co-operation and Development. ppb Parts per Billion. ppm Parts per Million. psi Pounds per Square Inch. STEL Short Term Exposure Limit. TLV Threshold Limit Value. TWA Time Weighted Average. UN United Nations.

Disclaimer

This Safety Data Sheet was prepared in good faith from the best information available at that time of issue and is based on the present state of our knowledge and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. Deks Industries Pty Ltd and its Affiliates or Agents shall not be held liable or responsible for any damage or unauthorised use of this information or from contact with this product.

In all cases please ensure you have the current version. The user is cautioned to make their own determinations as to the suitability of the information provided to the circumstances in which the product is used.

END OF SDS for Hardener component

SAFETY DATA SHEET

Section 1. Identification

Product Identifier: DEKS EPOXY JOINTING COMPOUND – **BASE.**

Other means of identification: Proper Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin)

Product code: 2046 (500 ml), 2286 (2 L), 2287 (4 L), 2040 (10 L)

Recommended use of the chemical and restrictions on use:

Epoxy resin component of a two-part industrial adhesive product.

Details of manufacturer or importer:

Deks Industries PTY Ltd
2 Logis Blvd, Dandenong South
VIC 3175. Australia

Telephone Number: +61 3 8727 8800

Emergency Telephone number:
After hours: Please contact the POISON CENTER (131 126) or a doctor/physician

Section 2: Hazards Identification

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; DANGEROUS GOODS.

Based on available information, classified as hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

Poisons Schedule (SUSMP): Schedule 5

Skin corrosion/irritation (Category 2)
Skin sensitisation (Category 1)
Serious eye damage/irritation (Category 2A)
Long-term Hazard to The Aquatic Environment (Category 2)

Signal Word: Warning

Hazard Statements:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H412 Harmful Toxic to aquatic life with long lasting effects

Precautionary statements

Prevention

P261: Avoid breathing dust/fume/gas/mist/vapour/spray
P264: Wash hands thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.

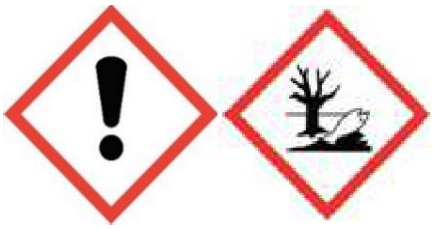
Storage

P403 + P235 Store in a well-ventilated place. Keep container tightly closed.

Other hazards

None

Hazard Symbols



Section 3. Composition and information on ingredients

Chemical Identity	Synonym	CAS Number	Proportions (%w/w)
Reaction product: bisphenol-A – (epichlorohydrin)	--	25068-38-6	30 - 50
Non-hazardous fillers	--	--	40 - 50

Section 4. First aid measures

In case of poisoning contact a doctor or Poisons Information Centre on 131 126, New Zealand 0800

Have the product label or SDS with you when calling or going for treatment.

Ingestion: If swallowed, do NOT induce vomiting: rinse mouth thoroughly with water and contact Poisons Information Centre. or If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Skin Contact: Take off all contaminated clothing immediately. Wash off immediately with plenty soap and water. If irritation persists, call a physician. Wash contaminated clothing before re-use.

Inhalation: Move person to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or Poisons Information Centre immediately.

Symptoms caused by exposure: Symptoms include inflammation of the mouth, throat and oesophagus, gastrointestinal discomfort and diarrhoea

Medical attention and special treatment: Treat symptomatically.

Section 5. Firefighting measures

Suitable extinguishing equipment:

Use fire extinguishing methods suitable to surrounding conditions. Use Water spray or fog. foam, carbon dioxide or dry chemical.

Specific Hazards arising from the chemical:

Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide, carbon dioxide, oxides of nitrogen and aldehydes.

This product is combustible and will readily burn under fire conditions.

Special protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

Hazchem Code: 3Z.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away. Do not touch or walk-through spilled material. Provide adequate ventilation.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:

Due to its viscous nature, this product is not expected to leak or spill. Collect liquid spill with an inert absorbent material and place into a suitable container for disposal.

Section 7. Handling and storage

Precautions for safe handling:

Use only in a well-ventilated area. Keep containers sealed when not in use. Prevent the build-up of mists or vapours in the work area. Avoid inhalation of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues with potential risk of container explosion. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities:

Store in cool, dry and well-ventilated area, away from heat and ignition sources. Do not store with oxidising agents, foodstuffs, and clothing and keep out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage.

Section 8. Exposure controls and personal protection

Component	TWA 8h	TWA 5 days	STEL	Peak limitations (if available)
Reaction product: bisphenol- A – (epichlorohydrin)	No value	No value	No value	No value

No value -- No exposure standard assigned for this specific material by Safe Work Australia. However, Workplace Exposure Standard(s) for constituents(s) has been shown in table if available.

Note: As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.
TWA - The time-weighted average airborne concentration of a substance when calculated over an eight-hour working day, for a five-day working week.
These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as clear defining points between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Biological monitoring:

No biological limits allocated.

Control banding:

No data available.

Engineering controls:

In high use industrial applications, suitable mechanical ventilations systems should be available in the work area

Individual protection measures, for example personal protective equipment (PPE):

Eye and face protection

Wear suitable safety glasses/goggles and face shield that is designed to relevant Australian standards.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (Without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands.
Gloves such as rubber or nitrile are recommended where needed to avoid prolonged skin contact.

Eye Protection:
Tightly sealed goggles.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination that meets Australian Standards.

Thermal hazards

No data available

Other information.

Reference standards for (PPE).
Respiratory protection: AS/NZS 1715 and AS/NZS 1716.
Gloves: AS/NZS 2161.1.
Eye protection: AS/NZS 1336 and AS/NZS 1337

Section 9. Physical and chemical properties

Appearance: Paste, light grey/black.
Odour: Characteristic epoxy odour.
Odour threshold: No data available.
pH: No data available.
Melting point/freezing point: No data available.
Boiling point and boiling range: 320°C (Bisphenol A Epoxy Resin).
Flash point: 266°C. (Bisphenol A Epoxy Resin).

Evaporation rate: No data available.
Flammability (solid, gas): No data available.
Upper/lower flammability or explosive limits: Not flammable.
Vapour pressure: No data available.
Vapour density: >1.
Relative density: 2.03 (23°C)
Solubility: Insoluble.
Partition coefficient: n-octanol/water: No data available.
Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Viscosity: No data available.

Other physical/chemical parameters

Specific heat value: No data available.
Saturated vapour concentration: No data available.
Release of invisible flammable vapours and gases: Not flammable.
Particle size (average and range): No data available.
Size distribution: No data available.
Shape and aspect ratio: No data available.
Crystallinity: No data available.
Dustiness: No data available.
Surface area: No data available.
Degree of aggregation or agglomeration, and dispersibility: No data available.
Redox potential: No data available.
Biodurability or biopersistence: No data available.
Surface coating or chemistry: No data available.

Section 10. Stability and reactivity

Reactivity: Reactive with oxidising and organic peroxides materials.
Chemical stability: Stable under normal storage and handling conditions.
Possibility of hazardous reactions: Hazardous polymerisation may occur if large quantities are mixed with amines or mercaptans.
Conditions to avoid: Heat and other ignition sources.
Incompatible materials: Oxidizing agents.
Hazardous decomposition products: Not expected under normal conditions of use. Combustion or thermal decomposition will evolve toxic and irritant vapours such as carbon monoxide, carbon dioxide, oxides of nitrogen and aldehydes.

Section 11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Material is an irritant to mucous membranes and respiratory tract. Inhalation of vapours and fumes from thermal decomposition may cause respiratory irritation. If sanding or grinding the cured material wear a dust respirator to avoid breathing in the dust. Sanding the cured product may release particles containing talc with the polymer and other components of the matrix into the air. The talc contains less than 1% crystalline Silica.

Skin contact: Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to
dermatitis. May cause an allergic skin reaction.
Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Eye contact: Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

Acute toxicity

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitisation: May cause an allergic skin reaction.
Aspiration hazard: No data available.

Chronic Toxicity

Germ cell mutagenicity: No data available.
Carcinogenicity: Sanding the cured product may release particles containing talc with the polymer and other components of the matrix into the air. The talc contains less than 1% crystalline silica. Appropriate evaluations of the use of the product should be performed to determine if exposure to talc occurs due to handling and use. If such exposures occur, appropriate precautions must be taken to prevent exposure in excess of the OSHA Permissible Exposure Limit (PEL)

Reproductive toxicity: No data available.
Specific target organ toxicity (STOT) - single exposure: No data available.
Specific target organ toxicity (STOT) - repeated exposure: No data available.
Aspiration hazard: No data available.
Additional Information: Burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting. To the best of our knowledge, the chemical, physical, and toxicological properties for this mixture have not been thoroughly investigated.

Information on possible routes of exposure (Based on Bisphenol A - epichlorohydrin)

Oral toxicity: LD50, Rat: >2,000 mg/kg
Inhalation: No data available.
Dermal toxicity: LD50, Rat: >2,000 mg/kg.

Information on early onset of symptoms related to exposure

No data available.

Delayed health effects from exposure

No data available.

Exposure levels and health effects

No data available. Take precautionary approach exposure levels.

Interactive effects

Health effects from exposure can be worsened by drinking alcohol, taking medication or smoking. Pre-existing medical conditions such as asthma, high blood pressure or a predisposition to allergic reactions may increase risk.

Other information

Material is an irritant to the eyes and skin. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12. Ecological Information

Avoid contaminating waterways.
Acute aquatic hazard: No data available.
Long-term aquatic hazard: No data available.

Ecotoxicity:

	Toxicity to fish:	**Toxicity to and other aquatic invertebrates:**	**Toxicity to algae and other aquatic plants:**
Reaction product: bisphenol-A – (epichlorohydrin)	1.2 mg/l (96 h)	2.7 mg/l (48 h)	9.4 mg/l (48 h)

Persistence and degradability: NOT easily biodegradable.

Bioaccumulative potential: No data available.

Mobility in soil: Mixture - No data available.

Other adverse effects: No information available (environmental fate, ozone depletion, photochemicalozone creation potential, endocrine-disruption potential and global warming potential.)

Section 13. Disposal consideration

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see “Section 8. Exposure Controls and Personal Protection” of this SDS.

If possible, material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional national and international Regulations.

Section 14. Transport Information

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail. (ADG Code). Under the ADG Code this material is classified with an acute toxicity hazard.

UN No:	3082
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin)
Dangerous Goods Class:	9
Subsidiary Risk(s):	--
Packing Group number:	III
Hazchem Code:	3Z
Emergency Response Guide No:	171

Special precautions for user: No data available.
Additional information: No data available

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material under the IMDG Code is classified as a Marine Pollutant (P).

UN No:	3082
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin)
Dangerous Goods Class:	9
Subsidiary Risk(s):	--
Packing Group number:	III

AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No:	3082
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A Epoxy Resin)
Dangerous Goods Class:	9
Subsidiary Risk(s):	--
Packing Group number:	III

This material is not subject to the following international agreements:

- Montreal Protocol (Ozone depleting substances)
- The Stockholm Convention (Persistent Organic Pollutants)
- The Rotterdam Convention (Prior Informed Consent)
- Basel Convention (Hazardous Waste)
- International Convention for the Prevention of Pollution from Ships (MARPOL).

This material/constituent(s) is covered by the following requirements:

- the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act 1989 (Cwlth) (as amended). If so, list the relevant Poisons Schedule number. **Poisons Schedule (Aust): Schedule 5**
- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

Section 16. Other Information

Date of preparation: 23/03/2022
Reason for re-issue: Full review update on 18/06/2024
Prepared by ChemVit Consulting Pty Ltd

Source of data

This SDS has been prepared in accordance the Safe Work Australia Preparation of safety data sheets for hazardous chemicals Code of Practice prepared under the Work Health and Safety Act and Work Health and Safety Regulations.
Code of Practice: Labelling of workplace hazardous chemicals
'Standard for the Uniform Scheduling of Medicines and Poisons No. 35'

Hazard Classification

Australian Inventory of Chemical Substances (AICS) (NICNAS)
Chemical Assessment Reports (NICNAS)
Workplace Exposure Standards for Airborne Contaminants
Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
(United Nations) Global Portal to Information on Chemical Substances (OECD).

OECD means the Organisation for Economic Cooperation and Development.
Hazardous Chemical Information System
European Chemicals Agency (ECHA)

Other references

National Road Transport Commission, Australian Code for the Transport of Dangerous Goods by Road and Rail.
Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.
Australian and New Zealand Emergency Response Guidebook.

Key abbreviations or acronyms used

< Less Than. > Greater Than. AICS Australian Inventory of Chemical Substances. atm Atmosphere. CAS Chemical Abstracts Service (Registry Number). cm^2 Square Centimetres. deg C (°C) Degrees Celsius. g Grams g/cm^3 Grams per Cubic Centimetre. g/l Grams per Litre. IDLH Immediately Dangerous to Life and Health. LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period, usually 1 or 4 hours.	LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals. NIOSH National Institute for Occupational Safety and Health. NOHSC National Occupational Health and Safety Commission. OECD Organisation for Economic Co-operation and Development. ppb Parts per Billion. ppm Parts per Million. psi Pounds per Square Inch. STEL Short Term Exposure Limit. TLV Threshold Limit Value. TWA Time Weighted Average. UN United Nations.

Disclaimer

This Safety Data Sheet was prepared in good faith from the best information available at that time of issue and is based on the present state of our knowledge and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. Deks Industries Pty Ltd and its Affiliates or Agents shall not be held liable or responsible for any damage or unauthorised use of this information or from contact with this product.
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END OF SDS

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