

MATERIAL SAFETY DATASHEET BERRAKURE XDS

Revision Date 18.10.2023 (V1.2)

BERRA
CONSTRUCTION PRODUCTS

1. IDENTIFICATION

Product Name: BERRAKURE XDS

Company Details:

BERRA Construction Products

(ABN 87 008 503 946)

PO BOX 494 FYSHWICK

ACT, 2609 AUSTRALIA

Telephone: +612 5105 1426

Emergency Telephone: 131 126

Recommended Use: Curing compound for concrete, construction chemical

2. HAZARD IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia.

Pictogram:



Signal Word: Warning

Hazard Classification: Aspiration Hazard - Category 2

Hazard Statement:

- H305 May be harmful if swallowed.

Precautionary Statements (Prevention):

- P102 Keep out of reach of children.
- P103 Read label before use.

Precautionary Statements (Response):

- P101 If medical advice is needed, have product container or label on hand.
- P310 Immediately call a POISON CENTRE or doctor physician.
- P331 DO NOT induce vomiting.

Precautionary Statements (Storage):

- P405 Store locked up.

Precautionary Statement (Disposal):

- P501 Dispose of contents/container in

accordance with local, regional, national and international regulations.

Poisons Schedule: S5

Other hazards which do not result in

classification: If applicable, information is provided in this section on other hazards which do not result in classification but may contribute to the overall hazards of the substance or mixture.

DANGEROUS GOODS CLASSIFICATION

Not classified as a Dangerous Goods by the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land"

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940. Refer to State Regulations for storage and transport requirements.

3. CHEMICAL COMPOSITION

	CAS No.	Proportion
• Distillates (petroleum), steam-cracked, polymerised	68131-77-1 64742-88-7 7732-18-5	10 – 30% 10 – 20% 40 – 60%
• Solvent naphtha (petroleum), medium aliphatic		10 – 20% Balance
• Base H ² O solution		
• Proprietary solution (non-hazardous)		100%
• Ingredients determined to be non-hazardous		

4. FIRST-AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126)

If inhaled:

Remove victim from exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek medical advice.

On skin contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical attention.

On contact with eyes:

If in eyes wash affected eyes for at least 15 minutes under running water with eyelids held open.
Seek medical attention.

On ingestion:

Rinse mouth with water immediately. Give a glass of water to drink. Never give anything by mouth to an unconscious patient. If vomiting occurs give further water. Seek medical attention.

PPE for First Aiders:

Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS 1715 and AS 1716. Available information suggests that gloves made from nitrile should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make the final assessment. Always wash hands before smoking, eating drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using

Note to physician:

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Hazchem Code: Not applicable

Specific Hazards:

Combustible material.

Suitable extinguishing media:

Foam, water spray, dry powder, carbon dioxide.

Unsuitable extinguishing media for safety reasons:

Water jet.

Special protective equipment:

On burning may emit toxic fumes. Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions.

Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Small Spills:

Wear protective equipment to prevent skin and eye contamination. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage.

Large Spills:

Slippery when wet. Avoid accidents, clean up immediately. Wear protective equipment to prevent skins and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain – prevent runoff into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination or sewers or waterways occurs advise local emergency services.

Dangerous Goods – Initial Emergency

Response Guide No: Not applicable

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact and inhalation of vapours mists or aerosols.

Storage: Store in original container in a cool, dry, well ventilated place, out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from sources of heat or ignition. Keep containers closed when not in use. Check regularly for leaks.

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

Further information on storage conditions: Suitable for containers. High density polyethylene (HDPE).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

National occupational exposure limits:

No value assigned for this specific material by Safe Work Australia.

Biological limit values:

As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological limit allocated.

Engineering measures:

Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air – prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may be collected. Keep containers closed when not in use.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of

permeation time according to EN 374): e.g. nitrile rubber (0.4mm), chloroprene rubber (0.5mm), butyl rubber (0.7mm) and other. Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suits (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Do not inhale gases/vapours/aerosols. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).



9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	White or Pink
Odour:	Product Specific
pH Value:	7
Boiling Point:	110°C
Flash Point:	>105°C
Flammability:	Combustible Liquid
Lower Explosion Limit:	Not Applicable
Upper Explosion Limit:	Not Applicable
Explosion Hazard:	Not Explosive
Fire Promoting:	Not Fire Propagating
Vapour Pressure:	Not Applicable
Density:	0.98 g/cm ³ (20°C)
Bulk Density:	Not Applicable
Solubility:	Miscible

Other information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. STABILITY & REACTIVITY

Reactivity: No reactivity hazards are known for this material

Chemical stability: This material is thermally stable when stored and used as directed.

Hazardous reactions: No known hazardous reactions.

Conditions to avoid: Elevated temperatures and sources of ignition.

Incompatible materials: Incompatible with oxidising agents, acids and alkalis.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

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 over exposure occurs are:

Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.

Skin Contact: Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Ingestion: Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is uncoordinated there is greater likelihood of vomit entering the lungs and causing subsequent complications. Aspiration pneumonia (inflammation of the lung) may result.

Eye contact: May be an eye irritant.

Acute Toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20mg/L

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Corrosion/Irritancy:

Eye: This material has been classified as not corrosive or irritating to the eyes.

Skin: This material has been classified as not corrosive or irritating to the skin.

Sensitisation:

Inhalation: This material has been classified as not a respiratory sensitiser.

Skin: This material has been classified as not a skin sensitiser.

Aspiration Hazard: This material has been classified as a Category 2 Hazard.

Special target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeated exposure): This material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: No information is available to complete this assessment.

Long-term aquatic hazard: No information is available to complete this assessment.

Ecotoxicity: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Observe national and local legal regulations
Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:
Contaminated packaging should be emptied as fast as possible; then it can be passed on for recycling after thoroughly cleaned.

14. TRANSPORT INFORMATION

Domestic transport: Not classified as a dangerous good under transport regulations

Sea transport: Not classified as a dangerous good under transport regulations IMDG

Air transport: Not classified as a dangerous good under transport regulations IATA/ICAO

15. REGULATORY INFORMATION

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 (Commonwealth)
All the constituent(s) of this material are listed on the Australian Inventory of Chemical Substances (AICS).

If other regulatory information applies that is not already provided elsewhere in the safety data sheet, then it is described in this subsection.

16. OTHER INFORMATION

The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the Safety Data Sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Data sheets are updated regularly. Please ensure you have a current copy.

This Safety Data Sheet is compiled in accordance with the Occupation Health and Safety Regulations 2017 S.R. No. 22/2017 Part 401 – Hazardous Substances