

Safety Data Sheet

according to WHS Regulation

Terrabind Ultimate

Revision date: 02.06.2026

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Section 1 - Identification**Product identifier**

Terrabind Ultimate

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Products used in mining, oil or gas exploration processes

Uses advised against

Any non-intended use.

Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals as listed in WHS Schedule 10

None

Details of manufacturer or importer

Company name: Bind-X Australia Pty Ltd
Street: 101 Brook Rd
Place: AUS-WA 6107 Kenwick
Telephone: +61 (0) 407 429 008
E-mail: info@bind-x.com.au
Internet: https://bind-x.com.au/

Emergency phone number: +61 (0) 407 429 008**Section 2 - Hazard(s) identification****Classification of the hazardous chemical****WHS 2021**

This mixture is not classified as hazardous in accordance with WHS Regulations 2021.

Label elements, including precautionary statements**Additional advice on labelling**

Labelling according to Regulation WHS: none

Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB .

Section 3 - Composition and information on ingredients**Mixtures****Relevant ingredients**

CAS No	Chemical name	Quantity
9005-25-8	starch	< 10 %
1310-73-2	sodium hydroxide	1 - < 3 %

Sodium hydroxide reacts with other constituents upon formulation, and the finished mixture no longer exhibits the hazardous properties of the individual component, see section 2.

Section 4 - First aid measures**Description of necessary first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

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After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

Symptoms caused by exposure

See sections 2 and 11

Medical attention and special treatment

Treat symptomatically.

Section 5 - Firefighting measures**Suitable extinguishing equipment****Suitable extinguishing media**

Sand. Foam. Carbon dioxide (CO₂). Extinguishing powder. In case of major fire and large quantities: Water spray jet. Water mist.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂).

Special protective equipment and precautions for firefighters

In case of fire: Wear self-contained breathing apparatus.

Hazchem code: -

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

Section 6 - Accidental release measures**Personal precautions, protective equipment and emergency procedures****General advice**

See protective measures under section 7 and 8.

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

Environmental precautions

No special precautionary measures are necessary.

Methods and materials for containment and cleaning up**For containment**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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Section 7 - Handling and storage**Precautions for safe handling****Advice on safe handling**

Wear personal protection equipment (refer to section 8).

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

Always close containers tightly after the removal of product. When using do not eat, drink or smoke. Wash hands before breaks and after work.

Further information on handling

General protection and hygiene measures: refer to section 8

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20 °C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

Section 8 - Exposure controls and personal protection**Exposure control measures****Workplace Exposure Standards (WES)**

CAS No	Substance	ppm	mg/m ³	Category	Origin
1310-73-2	Sodium hydroxide	-	2	Peak Limitation	WES
9005-25-8	Starch	-	10	TWA (8 h)	WES

Exposure controls**Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Individual protection measures, for example personal protective equipment (PPE)**Eye and face protection**

"Wear safety glasses; chemical goggles (if splashing is possible)." Standards: AS/NZS 1336:1997, AS/NZS 1337 part 1-6

Hand protection

In case of prolonged or frequently repeated skin contact:

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of the glove material 0,4 mm

Breakthrough time $\geq$ 8 h

Butyl rubber. - Thickness of the glove material 0,5 mm

Breakthrough time $\geq$ 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of the glove material 0,5 mm

Breakthrough time $\geq$ 8 h

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NBR (Nitrile rubber). - Thickness of the glove material 0,35 mm

Breakthrough time ≥ 8 h

PVC (Polyvinyl chloride). - Thickness of the glove material 0,5 mm

Breakthrough time ≥ 8 h

Standard: AS/NZS 2161 Set: 2008

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Environmental exposure controls

No special precautionary measures are necessary.

Section 9 - Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	brownish
Odour:	weak
Melting point/freezing point:	not applicable / -2°C
Boiling point or initial boiling point and boiling range:	100°C
Lower explosion limits:	not determined- aqueous product
Upper explosion limits:	not determined- aqueous product
Flash point:	not determined- aqueous product
Auto-ignition temperature:	not determined- aqueous product
pH-Value:	10 - 11
Viscosity / kinematic:	~370 mPa*s at 20°C
Water solubility:	Fully miscible with water
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	Not determined, partitioning into octanol is not expected
Vapour pressure:	not determined
Density:	1,08 g/l

Other information**Information with regard to physical hazard classes**

Explosive properties

none

Sustained combustibility:

No data available- aqueous product

Oxidizing properties

none

Other safety characteristics

Solvent separation test:

not determined

Solvent content:

aqueous product, no solvent present

Solid content:

300 g/l

Sublimation point:

not determined

Softening point:

not determined

Viscosity / dynamic:

~400 mPa*s at 20°C

Section 10 - Stability and reactivity

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Reactivity

No information available.

Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

Refer to section 10.5.

Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

Hazardous decomposition productsCan be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂).**Further information**

This product is not corrosive to steel and aluminum. UN Method 37.4 C.1

Section 11 - Toxicological information**Information on toxicological effects****Toxicocinetics, metabolism and distribution**

No data available.

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Eye damage/irritation: Based on available data, the classification criteria are not met.

Terrabind Ultimate is considered non-irritant to skin in the Reconstructed human Epidermis (RhE) test method; in no UN GHS category. (OECD Guideline 439)

Terrabind Ultimate is considered non-irritant to eyes; in no UN GHS category. (OECD Guideline 492B)

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available.

Interactive effects

No information available.

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Section 12 - Ecological information**Ecotoxicity**

Based on available data and the composition of the product, adverse environmental effects are not expected under intended use conditions.

Persistence and degradability

Based on available component information, the product is expected to show partial to inherent biodegradability.

Bioaccumulative potential

Bioaccumulation is not expected based on the nature of the components.

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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Other adverse effects

Based on available information, no other significant adverse environmental effects are expected.

Section 13 - Disposal considerations**Disposal methods****Disposal recommendations**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.
Non-contaminated packages may be recycled.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

Section 14 - Transport information**Land transport (ADG)****UN proper shipping name or technical name:**

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)**UN number or ID number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name or technical name:

No dangerous good in sense of this transport regulation.

Transport hazard class:

No dangerous good in sense of this transport regulation.

Packing group number:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)**UN number or ID number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name or technical name:

No dangerous good in sense of this transport regulation.

Transport hazard class:

No dangerous good in sense of this transport regulation.

Packing group number:

No dangerous good in sense of this transport regulation.

Environmental hazards for transport purposes

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

refer to section 6 - 8

Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Hazchem code: -

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Section 15 - Regulatory information**National regulatory information**

AIC Inventory status: All components are listed or exempted.

Additional information

The product has been classified according to WHS regulations and categories of the GHS.

Montreal Protocol (Ozone depleting substances): not relevant

The Stockholm Convention (Persistent Organic Pollutants): not listed

Section 16 - Any other relevant information**Changes**

Revision date: 02.06.2026

Revision No: 3,0

Rev. 1,0; Initial release: 09.01.2025

Rev. 2,0; 07.05.2025, Changes in section: 1- 16

Rev. 3,0; 02.06.2026, Changes in section: 1- 16

Further Information

Classification according to WHS Regulation: - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)