

Safety Data Sheet

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Version: 1

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifiers

Identification of the substance or mixture: SealBoss 15X

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

polyhydroxy alcohol - amine component for polyurethane foam resin

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

Bayset Pty. Ltd.

P.O. Box 1213

Archerfield BC QLD 4108

Tel: +61 7 3722 3700

Fax: +61 7 3722 3833

Dept. responsible for information:

Technical

info@bayset.com.au

1.4. Emergency contact information:

ChemTel International: +01-813-248-0585 Poisons Information Centre: 13 11 26

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

Skin Irrit. 2 / H315

skin corrosion/irritation

Causes skin irritation.

Eye Dam. 1 / H318

Serious eye damage/eye irritation

Causes serious eye damage.

Skin Sens. 1 / H317

respiratory or skin sensitisation

May cause an allergic skin reaction.

Classification according to Directive 67/548/EEC or 1999/45/EC

This mixture is classified as hazardous according to 1999/45/EC.

Xi; R36/38

Irritant

Irritating to eyes and skin.

R43

May cause sensitization by skin contact.

2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Danger

Hazard statements

H315

Causes skin irritation.

H318

Causes serious eye damage.

H317

May cause an allergic skin reaction.

Precautionary statements

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352

IF ON SKIN: Wash with plenty of water./?.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER/doctor./?.

contains:

2-[2-(dimethylamino)ethoxy]ethanol

N-[2-[2-(dimethylamino)ethoxy]ethyl]-N-methyl-1,3-propanediamine

Supplemental Hazard information (EU)

n.a.

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Labelling (67/548/EEC or 1999/45/EC)



Xi Irritant

Hazard statements

36/38 Irritating to eyes and skin.
43 May cause sensitization by skin contact.

Precautionary statements

24 Avoid contact with skin.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37 Wear suitable gloves.

contains:

N-[2-[2-(dimethylamino) ethoxy] ethyl]-N-methyl-1,3- propanediamine

Special provisions concerning the labelling of certain mixtures

n.a.

2.3. Other hazards

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Product description / chemical characterization

Description: polyhydroxy alcohol - amine component for polyurethane foam resin

Hazardous ingredients:

Classification according to Regulation (EC) No. 1272/2008 [CLP]

EC No.	REACH No.	Wt %
CAS No.	Chemical name	Remark
INDEX No.	classification:	
216-940-1	01-2119976346-26-xxxx	
1704-62-7	2-[2-(dimethylamino)ethoxy]ethanol Acute Tox. 4 H312 / Skin Corr. 1C H314 / Eye Dam. 1 H318	2,5 - 10
470-720-1	01-0000019735-62-xxxx	
189253-72-3	N-[2-[2-(dimethylamino) ethoxy] ethyl]-N-methyl-1,3-propanediamine Acute Tox. 4 H302 / Skin Corr. 1B H314 / Eye Dam. 1 H318 / Skin Sens. 1 H317	1 - 2,5

Classification according to Directive 67/548/EEC or 1999/45/EC

EC No.	REACH No.	
CAS No.	Chemical name	
INDEX No.	classification:	
216-940-1	01-2119976346-26-xxxx	
1704-62-7	2-[2-(dimethylamino)ethoxy]ethanol C; R34	2,5 - 10
470-720-1	01-0000019735-62-xxxx	
189253-72-3	N-[2-[2-(dimethylamino) ethoxy] ethyl]-N-methyl-1,3- propanediamine C; R34 / R43 / Xn; R22	1 - 2,5

Additional information

Full text of R-phrases: see section 16.

Full text of H-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

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Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Special protective equipment for firefighters:

Provide a conveniently located respiratory protective device.

Additional information

Cool closed containers that are near the source of the fire. Co-ordinate fire-fighting measures to the fire surroundings. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Use appropriate container to avoid environmental contamination.

6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8.

Only use the material in places where open light, fire and other flammable sources can be kept away.

Always keep in containers that correspond to the material of the original container.

Follow the legal protection and safety regulations.

Precautions against fire and explosion:

Vapours are heavier than air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrsiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

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Hints on joint storage

Keep away from food, drink and animal feeding stuffs.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

n.a.

DNEL:

2-[2-(dimethylamino)ethoxy]ethanol

EC No. 216-940-1 / CAS No. 1704-62-7

DNEL long-term dermal (systemic), Workers: 2,33 mg/kg bw/day

DNEL long-term inhalative (local), Workers: 1,07 mg/m³

DNEL long-term inhalative (systemic), Workers: 0,48 mg/m³

PNEC:

2-[2-(dimethylamino)ethoxy]ethanol

EC No. 216-940-1 / CAS No. 1704-62-7

PNEC aquatic, freshwater: 0,1 mg/L PNEC

aquatic, marine water: 0,01 mg/L PNEC

aquatic, intermittent release: 1 mg/L

PNEC sediment, freshwater: $8,6957 \times 10^{-2}$ mg/kg

PNEC sediment, marine water: $0,8696 \times 10^{-2}$ mg/kg

PNEC, Soil: $2,8174 \times 10^{-2}$ mg/kg

PNEC sewage treatment plant (STP): 100 mg/L

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. When spraying, wear self-contained breathing apparatus.

Occupational exposure controls

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

For prolonged or repeated handling the following glove material must be used: nitrile rubber or butyl rubber

Thickness of the glove material >0,4 mm; Breakthrough time (maximum wearing time) >480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear suitable protective clothing.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains.

See chapter 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state liquid

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Colour colourless
Odour characteristic

Safety relevant basis data	Unit	Method	Remark
Flash point	> 101 °C	DIN 53213	
Ignition temperature in °C	NB		
Lower explosion limit	NB		
Upper explosion limit	NB		
Vapour pressure at 20 °C	0,41 mbar		
Density at 20 °C	0,96 g/cm ³	DIN 51757	
Water solubility (g/L)	insoluble		
pH at 20 °C	-		
Viscosity at 23 °C	mPas		Observe technical data sheet.
solvent content:			
Organic solvents:	Wt %		

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

2-[2-(dimethylamino)ethoxy]ethanol
oral, LD50, Rat: 2150 mg/kg
dermal, LD50, Rabbit: > 1000 mg/kg

N-[2-[2-(dimethylamino)ethoxy]ethyl]-N-methyl-1,3-propanediamine
oral, LD50, Rat: 300 - 2000 mg/kg

Irritant and corrosive effects

2-[2-(dimethylamino)ethoxy]ethanol
Skin

Sensitisation

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Toxicological data are not available.

Practical experience/human evidence

Other observations:

Overall Assessment on CMR properties

The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2 according to 67/548/EEC.

There is no information available on the preparation itself . The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

SECTION 12: Ecological information

overall evaluation

There is no information available on the preparation itself .
Do not allow to enter into surface water or drains.

12.1. Toxicity

N-[2-[2-(dimethylamino) ethoxy] ethyl]-N-methyl-1,3-propanediamine
Fish toxicity, LC50, Cyprinus carpio (Common Carp): > 100 mg/L (96 h)
Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 100 mg/L (48 h)
Algae toxicity, ErC50, Selenastrum capricornutum: 64 mg/L (72 h)

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Recommendation:

Do not allow to enter into surface water or drains. Handle contaminated packages in the same way as the substance itself. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC:

070208 other still bottoms and reaction residues

packaging

Recommendation:

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

No dangerous good in sense of this transport regulation.

14.1. UN number

n.a.

14.2. UN proper shipping name

U.S. DOT Information: Not regulated

IMDG Information: Not regulated.

14.3. Transport hazard class(es)

IATA Information: Not regulated.

n.a.

14.4. Packing group

n.a.

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14.5. Environmental hazards

Land transport (ADR/RID) n.a.
Marine pollutant n.a.

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6 - 8.

Additional information

Land transport (ADR/RID)

tunnel restriction code -

Sea transport (IMDG)

EmS-No. n.a.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU legislation:

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

VOC-value (in g/L) ISO 11890-2: 0,000

National regulations:

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Other regulations, restrictions and prohibition regulations:

Giscode : GISCODE PU 40

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

SECTION 16: Other information

Relevant R-and H-phrases (Number and full text):

Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin.
Skin Corr. 1C / H314	skin corrosion/irritation	Causes severe skin burns and eye damage.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Skin Corr. 1B / H314	skin corrosion/irritation	Causes severe skin burns and eye damage.
Skin Sens. 1 / H317	respiratory or skin sensitisation	May cause an allergic skin reaction.
C; R34	Corrosive	Causes burns.
R43		May cause sensitization by skin contact.
Xn; R22	Harmful	Harmful if swallowed.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Danger

Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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P302 + P352 IF ON SKIN: Wash with plenty of water/?.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor/?.

Contains:

2-[2-(dimethylamino)ethoxy]ethanol
N-[2-[2-(dimethylamino) ethoxy] ethyl]-N-methyl-1,3-propanediamine

Supplemental Hazard information (EU)

n.a.

Recommended restrictions on use:

Training advice Data

sources: Additional

information

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

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