

Safety Data Sheet
 according to Regulation (EC) No. 1907/2006 (REACH)
 according to Regulation (EU) 2015/830

Print date: 23.12.2020
 Version: 6

SealBoss 15X Accelerator
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name/designation SealBoss 15X Accelerator
 PU Injection Foam Resin

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)

SealBoss Corp Telephone: +1 (714)-662-4445
 1669 E Wilshire Ave Ste 609 Telefax: +1(714)662-4446
 Santa Ana, CA 92705
 USA

Department responsible for information:

laboratory

E-mail

info@sealboss.com

1.4. Emergency telephone number

ChemTel 1-800-255-3924 OR International: +01-813-248-0585

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The 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.

2.2. Label elements

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

P280

Wear protective gloves and eye/face protection.

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 or doctor/ physician.

Hazard components for labelling

2-[2-(dimethylamino)ethoxy]ethanol

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

Supplemental hazard information

not applicable

2.3. Other hazards

No information available.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description polyhydroxy alcohol - amine component for polyurethane foam resin

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Hazardous ingredients

EC No. CAS No. INDEX No.	REACH No. Designation classification: // Remark	weight-%
216-940-1 1704-62-7	01-2119976346-26-xxxx 2-[2-(dimethylamino)ethoxy]ethanol Acute Tox. 4 H312 / Skin Corr. 1C H314	2,5 - 10
470-720-1 189253-72-3	01-0000019735-62-xxxx N-(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

Additional information

Full text of classification: 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

Take off immediately all contaminated clothing. 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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

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. Advice for firefighters

Provide a conveniently located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Do not breathe vapours.

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

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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 section 13).

- 6.4. **Reference to other sections**
 Observe protective provisions (see section 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 section 8. Follow the legal protection and safety regulations.

Further information

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

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

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.

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:

not applicable

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 x10⁻² mg/kg
 PNEC sediment, marine water: 0,8696 x10⁻² mg/kg
 PNEC, soil: 2,8174 x10⁻² mg/kg
 PNEC sewage treatment plant (STP): 100 mg/L
 N-(2-(dimethylamino)ethoxy)ethyl)-N-methyl-1,3-propanediamine
 EC No. 470-720-1 / CAS No. 189253-72-3
 PNEC aquatic, freshwater: 0,15 mg/L
 PNEC aquatic, marine water: 0,015 mg/L
 PNEC aquatic, intermittent release:
 PNEC sediment, freshwater: 0,54 mg/kg
 PNEC sediment, marine water: 0,054 mg/kg
 PNEC sewage treatment plant (STP): 10 mg/L

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8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. In case of inadequate ventilation wear respiratory protection.

Personal protection equipment

Respiratory protection

Suitable respiratory protection apparatus:
 Usually no personal respiratory protection necessary.

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 EN ISO 374
 Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Wear eye glasses with side protection according to EN 166.

Body protection

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 section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state:	Liquid
Colour:	yellow
Odour:	characteristic
Odour threshold:	not determined
pH at 20 °C:	not applicable
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	> 101 °C Method: DIN 53213

flammability

Burning time (s):	not applicable
Upper/lower flammability or explosive limits:	
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Vapour pressure at 20 °C:	0,3365 mbar Method: calculated

Relative density:

Density at 20 °C:	0,96 g/cm³ Method: calculated
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Solubility(ies):

Water solubility (g/L) at 20 °C:	insoluble
Partition coefficient: n-octanol/water:	see section 12
Auto-ignition temperature:	not determined
Decomposition temperature:	not applicable
Viscosity at 40 °C:	> 20,5 mm²/s

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Explosive properties: not applicable
Oxidising properties: not applicable

9.2. **Other information**

Solvent

Organic solvents: 0 weight-%

SECTION 10: Stability and reactivity

10.1. **Reactivity**

No information available.

10.2. **Chemical stability**

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

10.5. **Incompatible materials**

not applicable

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

Classification according to Regulation (EC) No 1272/2008 [CLP]
 No data on preparation itself available.

11.1. **Information on toxicological effects**

Acute toxicity

2-[2-(dimethylamino)ethoxy]ethanol
 oral, LD50, Rat: 2460 mg/kg
 dermal, LD50, Rabbit: 1410 mg/kg

N-(2-(dimethylamino)ethoxy)ethyl-N-methyl-1,3-propanediamine
 oral, LD50, Rat: > 1000 mg/kg

Skin corrosion/irritation; Serious eye damage/eye irritation

Causes skin irritation.

Causes serious eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

STOT-single exposure; 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.

Practical experience/human evidence

No information available.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]
 There is no information available on the preparation itself.

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Do not allow to enter into surface water or drains.

12.1. Toxicity

N-(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

N-(2-(dimethylamino)ethoxy)ethyl)-N-methyl-1,3-propanediamine
 Algae toxicity, NOEC, Pseudokirchneriella subcapitata: 32 mg/L (72 h)

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

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Dispose of waste according to applicable legislation.

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

070208* other still bottoms and reaction residues

*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Appropriate disposal / Package 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

not applicable

14.2. UN proper shipping name

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

Land transport (ADR/RID) not applicable

Marine pollutant not applicable

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

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Land transport (ADR/RID)

tunnel restriction code -

Sea transport (IMDG)

EmS-No. not applicable

Air transport (ICAO-TI / IATA-DGR)

14.7. Transport in bulk according to Annex II of Marpol 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

Directive 2010/75/EU on industrial emissions

VOC-value (in g/L): 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).

15.2. Chemical Safety Assessment

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

SECTION 16: Other information

Full text of classification in section 3:

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.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Skin Corr. 1B / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.
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 procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Skin Irrit. 2	Skin corrosion/irritation	Calculation method.
Eye Dam. 1	Serious eye damage/eye irritation	Calculation method.
Skin Sens. 1	Respiratory or skin sensitisation	Calculation method.

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose

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MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

Further information

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

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