

SAFETY DATA SHEET

SealBoss 2400 A1
February 22, 2017

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID: SealBoss 2400 A1
Product Name: SealBoss 2400 A1
Revision Date: February 22, 2017
Version: 1.0
Supplier Name: SealBoss Corp.
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Product/Recommended Uses: For Further Information, Refer to the Product Technical Data Sheet.

Date Printed: March 10, 2015
Supersedes Date: N.A.

SECTION 2) HAZARDS IDENTIFICATION

Classification of the substance or mixture

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

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

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

This mixture is classified as not hazardous according to 1999/45/EC.

Label elements

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

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

Hazard pictograms

Hazard statements

Precautionary statements N/A

contains: N/A

Supplemental Hazard information: N/A

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

Hazard statements

Precautionary statements N/A

contains: N/A

Special provisions concerning the labeling of certain mixtures

Other hazards

SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

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]

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EC No. CAS No. INDEX No.	REACH No. Chemical name Classification:	Wt % Remark
n.a.	n.a.	n.a.

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

EC No. CAS No. INDEX No.	REACH No. Chemical name Classification:	Wt % Remark
n.a.	n.a.	n.a.

Additional information

Full text of R-phrases: see section 16.

Full text of H-phrases: see section 16

SECTION 4) FIRST-AID MEASURES

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.

After 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

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.

Most important symptoms and effects, both acute and delayed

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

Indication of any immediate medical attention and special treatment needed

SECTION 5) FIRE-FIGHTING MEASURES

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

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Special hazards arising from the substance or mixture

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

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. Coordinate fire-fighting measures to the fire's surroundings. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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

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.

Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, 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.

Reference to other sections

Observe protective provisions (see chapter 7 and 8).

SECTION 7) HANDLING AND STORAGE

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:

Vapors are heavier than air.

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 authorized persons. Store carefully closed containers upright to prevent any leaks.

Hints on joint storage

Keep away from food, drink and animal feeding stuffs.

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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.

Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limit values:

n.a.

Exposure controls

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

Occupational exposure controls

Respiratory protection

Usually no personal respirative protection necessary.

Hand protection

For prolonged or repeated handling the following glove material must be used: impermeable material

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

Information on basic physical and chemical properties

Appearance:				
Physical state	liquid			
Color	Refer to label			
Odor	characteristic			

Safety relevant basic data:	Unit	Method	Remark
Flash point	> 101 °C	DIN 53213	
Ignition temperature in °C	NB		
Lower explosion limit	NB		
Upper explosion limit	NB		
Vapor pressure at 20 °C	13,90 mbar		
Density at 20 °C	1,20 g/cm³	DIN 51757	
Water solubility (g/L)	Mixable with water		
pH value at 20 °C	--		
Viscosity at 23 °C	mPas		Observe technical data sheet
Solvent content:			
Organic solvents:	0 Wt%		

Other information

SECTION 10) STABILITY AND REACTIVITY

Reactivity

Chemical stability

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

Possibility of hazardous reactions

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

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.

Incompatible materials

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

Information on toxicological effects

Acute toxicity

SealBoss 2700 Comp. A1 Polyacrylic Gel oral, LD50, Rat: > 2000 mg/kg Methode: OECD 423
 dermal, LD50, Rat: > 2000 mg/kg
 Methode: OECD 40

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Irritant and corrosive effects

SealBoss 2700 Comp. A1 Polyacrylic Gel

Eyes, Not an irritant. Skin, Not an irritant.

Sensitization

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.

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

Do not allow to enter into surface water or drains.

Toxicity

SealBoss 2700 Comp. A1 Polyacrylic Gel

Fish toxicity, LC50, Brachydanio rerio (zebra-fish): > 100 mg/L (96 h) Methode: OECD 203

Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 100 mg/L (48 h) Methode: OECD 202

Algae toxicity, ErC50, Pseudokirchneriella subcapitata: > 1 mg/L (72 h) Methode: OECD 201

Bacteria toxicity, EC50, Activated sludge: > 5640 mg/L (3 h) Methode: OECD 209

Long-term Ecotoxicity

Toxicological data are not available.

Persistence and degradability

SealBoss 2700 Comp. A1 Polyacrylic Gel

Biodegradation: 99 % ; evaluation slightly diminishable

Methode: OECD 301A (DOC Die Away Test)

Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

Mobility in soil

Toxicological data are not available.

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Results of PBT assessment

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

Other adverse effects

SECTION 13) DISPOSAL CONSIDERATIONS

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 EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, 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.

UN number : N/A

U.S. DOT Information: Not regulated

IMDG Information: Not regulated.

UN proper shipping name: N/A

IATA Information: Not regulated.

Transport hazard class(es): N/A

Packing group: N/A

Environmental hazards

Land transport (ADR/RID): N/A

Marine pollutant: N/A

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code not applicable

SECTION 15) REGULATORY INFORMATION

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 juveniles according to the "juvenile work protection guideline" (94/33/EC).

Other regulations, restrictions and prohibition regulations:

Giscode :

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): N/A

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

Hazard pictograms: N/A

Hazard statements: N/A

Precautionary statements: N/A

Contains: N/A

Supplemental Hazard information (EU): N/A

Additional information

The information supplied on this safety data sheet complies with our current level of knowledge as well as with US 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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