

Safety Data Sheet

Print date: 02.04.2015
Version: 1

SealBoss 1403 Comp. A
Revision date: 02.04.2015
Issue date: 02.04.2015

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1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifiers

Identification of the substance or mixture: SealBoss 1403 Comp. A
PU Injection Resin

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

Relevant identified uses

polyhydroxy alcohol component for polyurethane resin

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

SealBoss Corporation

1669 E Wilshire Ave

Santa Ana, CA 92705

United States

Telephone: 1-877-932-2293

Fax: 1-714-662-4446

Dept. responsible for information:

Labor

E-mail

info@SealBoss.com

1.4. Emergency telephone number

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

2. Hazards identification

2.1. Classification of the substance or mixture

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

Acute Tox. 4 / H302

Acute toxicity (oral)

Harmful if swallowed.

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

Xn; R22

Harmful

Harmful if swallowed.

2.2. Label elements

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

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

Hazard pictograms



Warning

Hazard statements

H302

Harmful if swallowed.

Precautionary statements

P270

Do not eat, drink or smoke when using this product.

P301 + P312

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

contains:

polyether polyol

Supplemental Hazard information (EU)

n.a.

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



Xn Harmful

Hazard statements

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Harmful if swallowed.

Precautionary statements

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If swallowed, seek medical advice immediately and show this container or label.

contains:

polyether polyol

Special provisions concerning the labeling of certain mixtures

n.a.

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2.3. Other hazards

3. Composition / Information on ingredients

Product description / chemical characterization

Description: polyhydroxy alcohol component for polyurethane 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:	
500-039-8	01-2119457556-29-xxxx	
25322-69-4	polyether polyol Acute Tox. 4 H302	50 - 100

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

EC No.	REACH No.	Wt %
CAS No.	Chemical name	Remark
INDEX No.	classification:	
500-039-8	01-2119457556-29-xxxx	
25322-69-4	polyether polyol Xn; R22	50 - 100

Additional information

Full text of R-phrases: see section 16.

Full text of H-phrases: see section 16.

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

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

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:

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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.

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 vapors. 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).

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:

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

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.

8. Exposure controls / Personal protection

8.1. Control parameters

Occupational exposure limit values:

n.a.

DNEL:

polyether polyol

/ EC No. 500-039-8 / CAS No. 25322-69-4

DNEL long-term dermal (systemic), Workers: 13,9 mg/kg bw/day

DNEL long-term inhalative (systemic), Workers: 98 mg/m³

PNEC:

polyether polyol

/ EC No. 500-039-8 / CAS No. 25322-69-4

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PNEC aquatic, freshwater: 0,2 mg/L
PNEC aquatic, marine water: 0,02 mg/L
PNEC aquatic, intermittent release: 1,06 mg/L
PNEC sediment, freshwater: 0,419 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

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.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance::

Physical state liquid **Color**

colorless **Odor**

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		
Vapor pressure at 20 °C	0,27 mbar		
Density at 20 °C	0,99 g/cm ³	DIN 51757	
Water solubility (g/L)	partially soluble		
pH value at 20 °C	-		
Viscosity at 23 °C	mPas		Observe technical data sheet.

solvent content:

Organic solvents: 0 Wt %

9.2. Other information

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

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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.

11. Toxicological information

No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

polyether polyol

oral, LD50, Rat: 1000 - 2000 mg/kg

dermal, LD50, Rabbit: > 2000 mg/kg

Irritant and corrosive effects

Toxicological data are not available.

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

This substance does 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.

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

polyether polyol

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

Fish toxicity, LC50, Brachydanio rerio (zebra-fish): > 100 mg/L (48 h)

Aquatic plants, Desmodemus subspicatus.: > 100 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.

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12.5. Results of PBT assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects

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 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.

14. Transport information

No dangerous good in sense of this transport regulation.

14.1. UN number

n.a.

14.2. UN proper shipping name

14.3. Transport hazard class(es)

n.a.

14.4. Packing group

n.a.

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

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

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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

For this substance a chemical safety assessment has not been carried out.

16. Other information

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

Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Xn; R22	Harmful	Harmful if swallowed.

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

Hazard pictograms



Warning

Hazard statements

H302 Harmful if swallowed.

Precautionary statements

P270 Do no eat, drink or smoke when using this product.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Contains:

polyether polyol

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 national 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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