



SAFETY DATA SHEET

SDS No. 25BEU

according to Regulation (EC)

No. 1907/2006 as amended

Revision Date: December 7, 2022 Version: 1.0

Section 1 - Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Trade Name: **Part B: EA-40**

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

General Use: Epoxy Adhesive

Restrictions on Use: None known

1.3 Details of the supplier of the safety data sheet:

Company: Smooth-On, Inc.,
5600 Lower Macungie Rd., Macungie, PA 18062

Telephone: Phone (610) 252-5800

E-mail address of person: Visit our website at www.smooth-on.com or email
responsible for the SDS sds@smooth-on.com

1.4 **Emergency Contact:** Chem-Tel Domestic: 800-255-3924 International: 813-248-0585

Italy Istituto Superiore di Sanità (ISS) +390649906140

Section 2 – Hazard(s) Identification

2.1 Classification of the substance or mixture:

Classification (REGULATION (EC) No 1272/2008) as amended

H315 Skin irritation – Category 2

H312 Acute toxicity – Category 4

H317 Skin sensitization – Category 1

H319 Eye irritation – Category 2A

For the full text of the H-Statements mentioned in this Section, see Section 16

2.2 Label elements, including precautionary statements

Labelling (REGULATION (EC) No 1272/2008) as amended



Pictogram(s):

Signal word: Warning

Health Hazards

H312 Harmful in contact with skin

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H401 Toxic to aquatic life

General Precautions

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P103 Read label before use.

Prevention Precautions

P262 Do not get in eyes, on skin, or on clothing.
 P264 Wash skin thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.

Response Precautions

P302 + P352 IF ON SKIN: Wash with plenty of soap and 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.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P363 Wash contaminated clothing before reuse.

Storage Precautions

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal Precautions

P501 Dispose of contents/container according to local, state and federal laws.

Supplemental Hazard Statements:

None

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3 - Composition / Information on Ingredients**3.1 Substances/Mixtures****Hazardous ingredients according to Regulation (EC) No 1272/2008**

Chemical name	Classification	Concentration
Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolvamines		
CAS: 68410-23-1 EC Number: 614-452-7	H314 Causes severe skin burns and eye damage. (Category 1B) H312 Harmful in contact with skin. H317 May cause an allergic skin reaction. H335 Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3) H373 May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (H373) (H410 Very toxic to aquatic life with long lasting effects.	70 – 85
Triethylenetetramine		
CAS: 112-24-3 EC Number: 203-950-6	Acute toxicity, Dermal (Category 3), H311 Skin corrosion (Category 1B), H314 Serious eye damage (Category 1), H318	5 – 15

	Skin sensitization (Category 1), H317 Specific target organ toxicity, repeated exposure (Category 2) (373) Specific target organ toxicity, single exposure (H370) Acute aquatic toxicity (Category 3), H402	
Tris-2,4,6-(dimethylaminomethyl)phenol		
CAS: 90-72-2 EC Number: 202-013-9	Acute toxicity, Oral (Category 4), H302 Skin corrosion (Category 1B), H314 Serious eye damage (Category 1), H318 Short-term (acute) aquatic hazard (Category 3),	< 4.0
Bis(dimethylaminomethyl)phenol		
CAS: 71074-89-0 EC Number: 275-162-0	H315 Skin irritation – Category 2 H317 Skin sensitization – Category 1 H319 Eye irritation – Category 2A	< 1.0

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

Eye Contact

Flush eyes with plenty of water. If irritation persists, seek medical attention.

Skin Contact

In case of skin contact, wash thoroughly with soap and water.

Ingestion

Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and specific treatment needed

Section 5 - Fire-Fighting Measures

5.1 Extinguishing Media

Water Fog, Dry Chemical, and Carbon Dioxide Foam

5.2 Special hazards arising from the substance or mixture

None known.

5.3 Advice for firefighters

Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam.

Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure demand or positive-pressure mode.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Only properly protected personnel should remain in the spill area; dike and contain spill. Stop or reduce discharge if it can be done safely.

6.2 Environmental precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains or unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers. No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Put on appropriate protective gear including approved self-contained breathing apparatus, rubber boots and heavy rubber gloves. Dike and contain spill; absorb or scrape up excess into suitable container for disposal; wash area with dilute ammonia solution. Stop or reduce discharge if it can be done safely.

6.4 Reference to other sections

See Section 3 for list of Hazardous Ingredients; Sections 8 for Exposure Controls; and Section 13 for Disposal.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Use good general housekeeping procedures. Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated place away from heat, direct sunlight, strong oxidizers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet local standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Avoid water contamination.

7.3 Specific end use(s)

These precautions are for room temperature handling. Other uses including elevated temperatures or aerosol/spray applications may require added precautions.

Section 8 - Exposure Controls / Personal Protection

8.1 Control parameters:

Occupational exposure limits

Triethylenetetramine	AIHA WEEL (1999-01-01) Time Weighted Average (TWA) 1 ppm
	NIOSH REL (2005-09-30)

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

None defined.

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

None defined.

8.2 Exposure controls:**Engineering measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment**Eye protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Skin and body protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Protective measures

Ensure that eye flushing systems and safety showers are located close to the working place.

Section 9 - Physical and Chemical Properties**9.1 Information on basic physical and chemical properties:**

Appearance:	Amber gel	Vapor pressure:	No data
Odor:	Mild ammonia odor	Vapor density (Air=1):	>1.0
Odor threshold:	No data	Relative density:	No data
pH:	No data	Solubility:	Negligible
Melting / freezing point:	No data	Partition coefficient (n-octanol/water):	No data
Low / high boiling point:	No data	Auto-ignition temperature:	No data

Flash Point:	>300°F	Decomposition temperature:	No data
Evaporation rate:	No data	Viscosity:	50,000 centipoise
Flammability (solid, gas):	No data	Explosive properties:	No data
Upper/lower flammability or explosive limits:	No data	Specific Gravity (H₂O=1, at 4 °C):	1.02

Section 10 - Stability and Reactivity

10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated., No corrosive effect on metal. Not fire propagating.

10.2 Chemical stability

These products are stable at room temperature in closed containers under normal storage and handling conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization cannot occur

10.4 Conditions to avoid

None known

10.5 Incompatible materials

Strong bases and acids

10.6 Hazardous decomposition products

Thermal oxidative decomposition can produce carbon oxides, gasses/vapors, and traces of incompletely burned carbon compounds.

Section 11- Toxicological Information

11.1 Information on toxicological effects:

Acute Toxicity

Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolvamines LD50 oral, Rat > 5,000 mg/kg

Triethylenetetramine LD50 oral, Rat 2,500 mg/kg

Skin Corrosion/Irritation

Prolonged contact may cause skin irritation with local redness
Repeated contact may cause skin irritation with local redness.

Serious Eye Damage/Irritation

Moderate irritant.

Respiratory/Skin Sensitization

No data available

Germ Cell Mutagenicity

No data available

Carcinogenicity

No data available

Reproductive Toxicity

No data available

Specific Target Organ Toxicity – Single Exposure

Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolvamines	Category 3	Respiratory tract irritation
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Triethylenetetramine	Category 2	Eyes
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Specific Target Organ Toxicity – Repeated Exposure

Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolvamines	Category 2	Skin
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Triethylenetetramine	Category 2	Respiratory tract
	Category 2	Skin
	Liver	
	Kidneys	

Aspiration Hazard

No data available

Potential Health Effects – Miscellaneous

No data available

Section 12 - Ecological Information
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12.1 Toxicity

No data available

12.2 Persistence and Degradability

No data available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility in Soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other Adverse Effects

No data available

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

Section 14 - Transport Information

- 14.1 UN number:** none
- 14.2 UN proper shipping name:** none
- 14.3 Transport hazard class(es):** not applicable
- 14.4 Packing group:** not applicable
- 14.5 Environmental hazards:** none known
- 14.6 Special precautions for user:** none known
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** not applicable

Section 15 - Regulatory Information
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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

California Proposition 65

This product does not intentionally contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this substance/mixture by the supplier.

16 - Other Information

Full text of H-Statements referred to under Sections 2 and 3.

- H315 Skin irritation – Category 2**
- H312 Acute toxicity – Category 4**
- H317 Skin sensitization – Category 1**
- H319 Eye irritation – Category 2A**

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Abbreviations and acronyms

ATE - Acute Toxicity Estimate; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006; EINECS - European Inventory of Existing Commercial Chemical Substances

ELINCS - European List of Notified Chemical Substances; CAS# - Chemical Abstract Service number; PPE - Personal Protection Equipment; Kow - octanol-water partition coefficient; DNEL - Derived No Effect Level; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); NOEC - No Observed Effect Concentration; PNEC - Predicted No Effect Concentration; RMM - Risk Management Measure; OEL - Occupational Exposure Limit; PBT - Persistent, Bioaccumulative and Toxic; vPvB - Very Persistent and Very Bioaccumulative; STOT - Specific Target Organ Toxicity; CSA - Chemical Safety Assessment; EN - European Standard; UN - United Nations; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; WGK - Water Hazard Class

Disclaimer

The information contained in this Safety Data Sheet (SDS) is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Smooth-On Inc., it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.