



SAFETY DATA SHEET

SASE Flexjoint 85 "B"

Revised May 26, 2017



1. PRODUCT & IDENTIFICATION

Recommended use of the chemical and restriction on use

Recommended use: Polyurea component industrial chemicals
Suitable for use in industrial sector: Polymers industry; chemical industry

Company

SASE Company Inc.
2475 Stock Creek Blvd.
Rockford, TN 37853

Phone: 1800-522-2606

Fax: 865.745.4110

www.sasecompany.com

Emergency Telephone Number: Call INFOTRAC Day or Night, Within USA or Canada 800.535.5053
Use only for hazardous materials (or dangerous goods) incident - spill, leak, fire, exposure, or accident.

Chemical Family: Resin
Synonyms: Polyurea System Resin Component

2. HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
STOT RE	2	Specific target organ toxicity – repeated exposure
Aquatic Acute	2	Hazardous to the aquatic environment - acute
Aquatic Chronic	2	Hazardous to the aquatic environment - chronic

Label elements (Emergency overview)

Pictogram:



Signal Word: Warning

Hazard Statement:

H319	Causes serious eye irritation.
H373	May cause damage to organs (Pancreas) through prolonged or repeated exposure (oral).
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P273	Avoid release to the environment.
P280	Wear eye/face protection.
P260	Do not breathe dust/gas/mist/vapors.
P264	Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.

P391 Collect spillage.
P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Disposal):
P501 Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

Emergency overview

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

CAUTION:
Causes serious eye irritation.
CONTAINS MATERIAL WHICH CAN CAUSE PANCREAS DAMAGE.

3. COMPOSITION / INFORMATION ON INGREDIENTS

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS NUMBER</u>	<u>Content (W/W)</u>	<u>Chemical Name</u>
102-60-3	>=10.0 - <15.0%	Tetrahydroxypropylethylenediamine
68479-98-1	>=3.0 - <5.0%	diethylmethylbenzenediamine
	<93.0 %	Polyol
	<5.0 %	Drying Agent

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS NUMBER</u>	<u>Content (W/W)</u>	<u>Chemical Name</u>
102-60-3	<15.0%	Tetrahydroxypropylethylenediamine
25265-71-8	<10.0%	dipropylene glycol
68479-98-1	<5.0%	diethylmethylbenzenediamine

4. FIRST AID MEASURES

Description of first aid measures

General advice: Remove contaminated clothing.

If inhaled: Keep patient calm, remove to fresh air, seek medical attention.

If on skin: Wash thoroughly with soap and water.

If in eyes: In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water with eyelids open, consult an eye specialist.

If swallowed: Rinse mouth and then drink 200 – 300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: No hazards anticipated.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:

water spray, dry powder, carbon dioxide, foam

Special hazards arising from the substance or mixture:

Hazards during fire-fighting:

No particular hazards known.

Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

Environmental precautions

Do not empty into drains. Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up

Spills should be contained, solidified, and placed in suitable containers for disposal.

7. HANDLING & STORAGE

Precautions for safe handling

Ensure thorough ventilation of stores and work areas. Protect against moisture.

Protection against fire and explosion:

No explosion proofing necessary.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds. Segregate from acids. Segregate from oxidants.

Suitable materials for containers: carbon steel (iron), High density polyethylene (HDPE), Low density polyethylene (LDPE, Stainless steel 1.4301 (V2)

Further information on storage conditions: No special precautions necessary. Avoid extreme heat. Store protected against freezing.

Storage stability:

Storage temperature: 60 - 80°F (16 - 27 °C)

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Advice on system design:

Provide local exhaust ventilation to control vapors/mists.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator as needed.

Hand protection: Chemical resistant protective gloves

Eye protection: Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

Body protection: Standard work clothes and shoes.

General safety and hygiene measures:

Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapors/mists. Wash soiled clothing immediately.

9. PHYSICAL / CHEMICAL PROPERTIES

Form:	liquid	
Odor:	slight odor	
Odor threshold:	no data available	
Color:	clear to slightly cloudy	
pH value:	7.0	
Freezing point:	68°F (20.00 °C)	
Boiling point:	392°F (200.00 °C)	
Sublimation point:		No applicable information provided
Flash point:	>201°F (94.00°C)	(closed cup)
Flammability	not flammable	
Lower explosion limit:		For liquids not relevant for classification and labeling. The lower explosion point may be 41 - 59°F (5 - 15°C) below the flash point.
Upper explosion limit:		For liquids not relevant for classification and labeling.
Autoignition:	>482° F (250.00°C)	
Vapor pressure:	0.01 mmHg	77°F (25.00°C)
Density:	8.5700 lb/USg	77°F (25.00°C)
Relative density:		no applicable information
Vapor density:		not applicable
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Self-ignition temperature:		Not self-igniting.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	800.000 mPa.s (cps)	77°F (25.00°C)
Viscosity, kinematic:		no applicable information available
Solubility in water:		Slightly soluble.
Solubility in other solvents:		
Solubility (qualitative):		no applicable information available
Evaporation rate:		Value can be approximated from Henry's Law Constant or vapor pressure
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

10. STABILITY & REACTIVITY

Reactivity

Additional information:

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

Not an oxidizer.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

Hazardous reactions:

No hazardous reactions if stored and handled as prescribed/indicated

Conditions to avoid

Conditions to avoid:

Temperature: <32° F (<0.00° C)

Incompatible materials

Substances to avoid:

Acids, oxidizing agents, isocyanates

Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

11. TOXICOLOGICAL INFORMATION**Primary routes of exposure**

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute Toxicity/EffectsAcute toxicity

Assessment of acute toxicity:

No known acute effects.

Oral

No applicable information available.

Inhalation

No applicable information available.

Dermal

No applicable information available.

Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Origin of data: expert judgement

Irritation / corrosion

Assessment of irritating effects: Eye contact causes irritation.

Sensitization

Assessment of sensitization: The chemical structure does not suggest a sensitizing effect.

Aspiration Hazard

No aspiration hazard expected.

Chronic toxicity/EffectsRepeated dose toxicity

Assessment of repeated dose toxicity: Repeated exposure may affect certain organs.

Genetic Toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

Teratogenicity

Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect.

Other information

The product has not been tested. The statement has been derived from the properties of the individual components.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Medical conditions aggravated by overexposure

Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. The product has not been tested. The statement has been derived from the properties of the properties of the individual components.

Persistence and degradability

Assessment biodegradation and elimination (H2O)

Poorly biodegradable.

Elimination information

Poorly biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential

Does not significantly accumulate in organisms.

Mobility in soil

Assessment transport between environmental compartments

Adsorption to solid soil phase is not expected.

Additional information

Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

Other ecotoxicological advice:

The product has not been tested. Do not discharge product into the environment without control.

13. DISPOSAL CONSIDERATIONS

Waste disposal of substance:

Incinerate or dispose of in a licensed facility. Do not discharge substance/product into sewer system.

Container disposal:

Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Do not reuse empty containers.

14. TRANSPORTATION INFORMATION

Land Transport:

USDOT Not classified as a dangerous good under transport regulations

Sea Transport:

IMDG Not classified as a dangerous good under transport regulations

Air Transport:

IATA/ICAO Not classified as a dangerous good under transport regulations

15. REGULATORY INFORMATION

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories):

Not hazardous;

State regulations

State RTK

PA

CAS Number

25265-71-8

Chemical name

dipropylene glycol

CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

NFPA Hazard codes:

Health : 2 Fire: 1 Reactivity: 1 Special:

HMIS III rating

Health: 2^a Flammability: 1 Physical hazard: 1

16. OTHER INFORMATION

SDS Prepared by: Technical Services

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