

Safety data sheet

AUTOFROTH®9907 RESIN

Revision date : 2007/06/14
Version: 1.1

Page: 1/6
(30089921/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

Chemical family: resin
Synonyms: URETHANE SYSTEM RESIN COMPONENT

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
	< 65.0 %	Polyol
	< 10.0 %	Flame Retardant
	< 3.0 %	Surfactant
	< 2.0 %	Catalyst
56-81-5	< 5.0 %	glycerol
811-97-2	< 17.0 %	TETRAFLUOROETHANE
108-32-7	< 5.0 %	Propylene carbonate

3. Hazard identification

Emergency overview

DANGER: COMPRESSED GAS. MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
CAN CAUSE NERVOUS SYSTEM DAMAGE.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.
SENSITIZER.

Potential health effects

Primary routes of exposure

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

Acute toxicity:

Ingestion may cause gastrointestinal disturbances.

Information on: Glycerin

Ingestion of large amounts of glycerine may result in nausea, vomiting, gastric irritation, and kidney disorders. Glycerine can exert systemic effects when given orally in very large doses.

Information on: Propylene carbonate

Propylene carbonate contains a small amount of propylene oxide.

Safety data sheet

AUTOFROTH[®] 9907 RESIN

Revision date : 2007/06/14

Version: 1.1

Page: 2/6

(30089921/MDS_GEN_US/EN)

Information on: Fluorocarbons

At levels above the recommended exposure limit, the fluorocarbon acts as a weak narcotic. Acute overexposure causes tremors, confusion, irritation, suffocation, and may result in cardiac sensitization.

Irritation:

Irritating to respiratory system.

Information on: Polyol

Contact with the eyes and skin may result in irritation.

Medical conditions aggravated by overexposure:

Individuals with pre-existing diseases of the central nervous system, respiratory or cardiovascular system may have increased susceptibility to excessive exposures.

4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on skin:

Wash affected areas thoroughly with soap and water. Immediate medical attention required.

If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Note to physician

Treatment:

Because of possible disturbances of cardiac rhythm, catecholamine drugs such as epinephrine should be considered only as a last resort in a life-threatening emergency.

5. Fire-fighting measures

Flash point:

> 94 °C

(open cup)

Autoignition:

No data available.

Suitable extinguishing media:

water, dry extinguishing media, carbon dioxide, foam

Hazards during fire-fighting:

No particular hazards known.

Protective equipment for fire-fighting:

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

Safety data sheet

AUTOFROTH® 9907 RESIN

Revision date : 2007/06/14

Version: 1.1

Page: 3/6

(30089921/MDS_GEN_US/EN)

6. Accidental release measures

Cleanup:

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

7. Handling and storage

Handling

General advice:

Use dry nitrogen only as inert gas to prevent chemical reactions of the substance/product. Use caution if servicing this cylinder.

Protection against fire and explosion:

No explosion proofing necessary.

Storage

General advice:

Stored and transported in a cylinder under pressure. Product that is frozen and/or tending to sedimentation can be liquified or homogenized by careful application of indirect heat (do not use flames or direct contact with a heat source). Avoid extreme heat. Must not be repacked by the customer. Protect from direct sunlight. Keep in a cool, well-ventilated place. Store protected against freezing.

Storage stability:

Protect against moisture.

8. Exposure controls and personal protection

Components with workplace control parameters

glycerol	OSHA	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
	ACGIH	TWA value 10 mg/m3 Mist ;

Advice on system design:

Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

General safety and hygiene measures:

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

9. Physical and chemical properties

Form: liquid

Safety data sheet

AUTOFROTH[®] 9907 RESIN

Revision date : 2007/06/14

Page: 4/6

Version: 1.1

(30089921/MDS_GEN_US/EN)

Odour:	aromatic, mild, amine-like		
Colour:	dark brown		
pH value:	>= 7		
Bulk density:	10.6 lb/USg	(25 °C)	
Viscosity, dynamic:	400 mPa.s	(23 °C)	
Miscibility with water:	slightly soluble		

10. Stability and reactivity

Conditions to avoid:

Avoid moisture.

Hazardous reactions:

The product is chemically stable.

Decomposition products:

Possible thermal decomposition products: hydrogen fluoride

Thermal decomposition:

No data available. Substance/product can decompose by high temperatures (open flames, glowing metal surfaces, etc.)

Corrosion to metals:

No corrosive effect on metal.

11. Toxicological information

12. Ecological information

13. Disposal considerations

Waste disposal of substance:

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

Container disposal:

Return to the manufacturer with residual pressure. If cylinder is damaged, please contact supplier. Empty cylinders (all sizes) must be depressurized before they are returned to supplier. Depressurization will not relieve all pressure. Always seal cylinder valves for return.

14. Transport information

Land transport

USDOT

Hazard class:	2.2
ID number:	UN 1956
Hazard label:	2.2
Proper shipping name:	COMPRESSED GAS, N.O.S. (contains NITROGEN, 1,1,1,2-TETRAFLUOROETHANE)

Safety data sheet

AUTOFROTH® 9907 RESIN

Revision date : 2007/06/14

Version: 1.1

Page: 5/6

(30089921/MDS_GEN_US/EN)

Sea transport

IMDG

Hazard class: 2.2
ID number: UN 1956
Hazard label: 2.2
Marine pollutant: NO
Proper shipping name: COMPRESSED GAS, N.O.S. contains (NITROGEN, 1,1,1,2-TETRAFLUOROETHANE)

Air transport

IATA/ICAO

Hazard class: 2.2
ID number: UN 1956
Hazard label: 2.2
Proper shipping name: COMPRESSED GAS, N.O.S. contains (NITROGEN, 1,1,1,2-TETRAFLUOROETHANE)

15. Regulatory information

Federal Regulations

Registration status:
TSCA, US released / listed

OSHA hazard category: Chronic target organ effects reported, ACGIH TLV established

SARA hazard categories (EPCRA 311/312): Acute, Chronic

State regulations

State RTK

<u>CAS Number</u>	<u>Chemical name</u>	<u>State RTK</u>
56-81-5	glycerol	MA, PA

CA Prop. 65:
THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

16. Other information

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 1

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Local contact information

Tony Tantillo
1-734-324-6164

William Robert
1-734-324-5244

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Safety data sheet

AUTOFROTH® 9907 RESIN

Revision date : 2007/06/14

Page: 6/6

Version: 1.1

(30089921/MDS_GEN_US/EN)

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