Safety Data Sheet
SPRAYTITE® 178-F B-RESIN

1. Product and Company Identification

Company
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Chemical family: resin
Synonyms: Urethane System Resin Component

2. Hazards Identification

Emergency overview

CAUTION:
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
SENSITIZER.
MAY CAUSE LIVER DAMAGE BASED ON ANIMAL DATA.
MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA.
CONTAINS MATERIAL WHICH CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE.
MAY ADVERSELY EFFECT THE DEVELOPING FETUS BASED ON ANIMAL DATA.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.
CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE.

State of matter: liquid
Colour: various, depending on the colourant
Odour: mild

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.

Irritation / corrosion:
Irritating to respiratory system.

Chronic toxicity:

Potential environmental effects

Aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms.

Degradation / environmental fate:
The product has not been tested.

Bioaccumulation / bioconcentration:
The product has not been tested.

3. Composition / Information on Ingredients

CAS Number	Content (W/W)	Chemical name
	< 75.0 %	Polyol
	< 12.0 %	Flame Retardant
	< 2.0 %	Surfactant
108-01-0	< 5.0 %	2-dimethylaminoethanol
	< 3.0 %	Catalyst
25265-71-8	< 2.0 %	Dipropylene Glycol
460-73-1	< 10.0 %	1,1,1,3,3-pentafluoropropane
107-21-1	2.0 %	ETHYLENE GLYCOL

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. If irritation develops, seek medical attention.

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.

5. Fire-Fighting Measures

Flash point:	> 200 °F	(closed cup)
Autoignition:		Unspecified
Self-ignition temperature:		not self-igniting

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.

6. Accidental release measures

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

7. Handling and Storage

Handling

General advice:
Product should not be mixed with air above atmospheric pressure for leak testing or any other purpose. Use dry nitrogen to transfer or leak test equipment pressurized with product.

Protection against fire and explosion:
No explosion proofing necessary.

Storage

General advice:
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). Protect from direct sunlight. Keep in a cool, well-ventilated place. Avoid extreme heat. Store protected against freezing. Stored and transported in a cylinder under pressure. Must not be repacked by the customer.

Storage stability:
Storage temperature: 70 - 80 °F
Protect against moisture. Store in unopened original containers in a cool and dry place.

8. Exposure Controls and Personal Protection

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 as needed.

Hand protection:
Chemical resistant protective gloves

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

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 vapours/mists. Wash soiled clothing immediately.

9. Physical and Chemical Properties

Form:	liquid
Odour:	mild, amine-like
Colour:	various, depending on the colourant
pH value:	>= 7
Freezing point:	Unspecified
Boiling point:	Unspecified
Vapour pressure:	Unspecified

Density:	9.60 - 9.83 lb/USg	(25 °C)
Partitioning coefficient n-octanol/water (log Pow):		Unspecified
Viscosity, dynamic:	350 - 650 mPa.s	(21 °C)
Solubility in water:		slightly soluble

10. Stability and Reactivity

Conditions to avoid:
> 80 degrees Fahrenheit
Avoid moisture. Avoid direct sunlight. Avoid excessive temperatures.

Hazardous reactions:
The product is chemically stable.

Decomposition products:
Hazardous decomposition products: carbon monoxide, carbon dioxide

Thermal decomposition:
No data available.

Oxidizing properties:
not fire-propagating

11. Toxicological information

Acute toxicity

Information on: Fluorocarbons
Assessment of acute toxicity:
Has a narcotic effect. May cause drowsiness and dizziness.

Information on: 2-dimethylaminoethanol
Assessment of acute toxicity:
Of moderate toxicity after short-term skin contact. Of moderate toxicity after single ingestion. Of pronounced toxicity after short-term inhalation.

Information on: Dipropylene glycol
Assessment of acute toxicity:
Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Information on: Ethylene glycol
Assessment of acute toxicity:
Harmful if swallowed. Virtually nontoxic after a single skin contact.

Information on: Triethyl Phosphate
Assessment of acute toxicity:
Inhalation causes headache/nausea. Inhalation of vapours leads to irritation of respiratory tract and mucous membranes, headache, nausea, dizziness, vomiting. Ingestion may cause moderate to severe gastric irritation including nausea, vomiting and pain.

Irritation / corrosion

Information on: Polyol
Assessment of irritating effects:
Contact may result in skin irritation. Contact may result in eye irritation.

Information on: 2-dimethylaminoethanol
Assessment of irritating effects:

Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

Information on: Ethylene glycol
Assessment of irritating effects:
Not irritating to eyes and skin.

Sensitization

Information on: 2-dimethylaminoethanol
Assessment of sensitization:
Skin sensitizing effects were not observed in animal studies.

Repeated dose toxicity

Information on: Dipropylene glycol
Assessment of repeated dose toxicity:
The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.

Information on: Ethylene glycol
Assessment of repeated dose toxicity:
The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.

Information on: Triethyl Phosphate
Assessment of repeated dose toxicity:
May cause central nervous system effects.
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12. Ecological Information

Bioaccumulation

The product has not been tested.

13. Disposal considerations

Waste disposal of substance:
Incinerate in a licensed facility. 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. Refer to 40 CFR § 261.7 (residues of hazardous waste in empty containers). Decontaminate containers prior to disposal. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport 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

CERCLA RQ	CAS Number	Chemical name
5000 LBS	107-21-1	ethyleneglycol

State regulations

State RTK	CAS Number	Chemical name
MA, NJ, PA	108-01-0	2-dimethylaminoethanol

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.

16. Other Information

HMIS III rating
Health: 1 Flammability: 1 Physical hazard: 1

NFPA and HMIS use 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 extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

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Local Contact Information
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