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# Safety Data Sheet

## 23U-10 Etch Aerosol

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(30779551/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## 23U-10 Etch Aerosol

#### Recommended use of the chemical and restriction on use

Recommended use\*: Paints, Coatings and Related Materials; for industrial use only

Unsuitable for use: Not intended for sale to or use by the general public.

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

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

Telephone: +1 973 245-6000

#### Emergency telephone number

##### 24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Synonyms: Paint

### 2. Hazards Identification

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

#### Classification of the product

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Skin Sens.	1	Skin sensitization
STOT SE	3 (Vapours may cause drowsiness and dizziness.)	Specific target organ toxicity — single exposure
Flam. Aerosol	1	Flammable aerosols

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Flam. Aerosol  
Press. Gas

1  
Liquef. Gas

Flammable aerosols  
Gases under pressure

### Label elements

Pictogram:



Signal Word:

Danger

Hazard Statement:

H222	Extremely flammable aerosol.
H229	Pressurized container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P211	Do not spray on an open flame or other ignition source.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash contaminated body parts thoroughly after handling.
P280	Wear protective gloves, protective clothing and eye protection or face protection.

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.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P310	Immediately call a POISON CENTER or physician.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P405	Store locked up.
P410 + P403	Protect from sunlight. Store in a well-ventilated place.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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**Hazards not otherwise classified**

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No applicable information available.

### 3. Composition / Information on Ingredients

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

##### Acetone

CAS Number: 67-64-1  
Content (W/W):  $\geq 25.0$  -  $< 50.0\%$   
Synonym: Acetone

##### 1-Propanol

CAS Number: 71-23-8  
Content (W/W):  $\geq 7.0$  -  $< 10.0\%$   
Synonym: 1-Propanol; Propyl alcohol

##### Isobutanol

CAS Number: 78-83-1  
Content (W/W):  $\geq 5.0$  -  $< 7.0\%$   
Synonym: Isobutyl alcohol

##### 1-methoxy-2-propylacetate

CAS Number: 108-65-6  
Content (W/W):  $\geq 1.0$  -  $< 3.0\%$   
Synonym: 2-Methoxy-1-methylethyl acetate; 1-Methoxy-2-propyl acetate

##### bisphenol A-epichlorohydrin resin

CAS Number: 25068-38-6  
Content (W/W):  $\geq 1.0$  -  $< 3.0\%$   
Synonym: 4,4'-(1-Methylethylidene)bisphenol polymer with (chloromethyl)oxirane

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove contaminated clothing.

##### If inhaled:

Keep patient calm, remove to fresh air. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

##### If on skin:

Seek medical attention. Immediately wash affected area with soap and water for 20-30 minutes or until chemical is removed.

##### If in eyes:

Flush with copious amounts of water for at least 15 minutes. Hold eyelids open to facilitate rinsing. If irritation develops, seek medical attention. Seek medical attention.

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### If swallowed:

Immediate medical attention required. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Rinse mouth and then drink 200-300 ml of water.

### Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

*Information on: 1-Propanol*

*Symptoms: Overexposure may cause:, headache, dizziness, coordination disorder, coma, abdominal cramps, nausea, vomiting*

*Information on: Isobutanol*

*Symptoms: Overexposure may cause:, coma, coordination disorder, headache, dizziness*  
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### 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.

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
carbon dioxide, foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:  
water jet

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
Vapors and/or decomposition products are irritant and/or toxic. If product is heated above decomposition temperature acrid smoke and fumes will be released. Aerosol container contains flammable gas under pressure.

### Advice for fire-fighters

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

Notify proper authorities. Do not flood burning material with water due to potential spreading of fire. Flash fire may occur. Run-off water from fire may cause pollution. Contain contaminated water/firefighting water. Remove product from areas of fire, or otherwise cool sealed containers with water in order to avoid pressure build up due to heat. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

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### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Use antistatic tools. Extinguish sources of ignition nearby and downwind. Avoid prolonged inhalation. Wear suitable personal protective clothing and equipment. Ensure adequate ventilation.

#### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

A spill of or in excess of the reportable quantity requires notification to state, local and national emergency authorities.

#### Methods and material for containment and cleaning up

Dike spillage. Spills should be contained, solidified, and placed in suitable containers for disposal. Place into appropriately labeled waste containers.

### 7. Handling and Storage

#### Precautions for safe handling

Handle and open container with care. WARNING: Empty containers may still contain hazardous residue. Use static lines when mixing and transferring material. Do not puncture, drop, or slide containers. Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing.

Proper ventilation and respiratory protection is required when sanding, flame cutting, welding or brazing coated surfaces. Do not apply to hot surfaces.

Protection against fire and explosion:

Risk of explosion if heated under confinement. Use antistatic tools. Exhaust fans should be explosion proof. Avoid all sources of ignition: heat, sparks, open flame. Provide adequate ventilation to remove solvent vapors from lower levels or work areas and to prevent solvent contact with ignition sources. Sealed containers should be protected against heat as this results in pressure build-up.

#### Conditions for safe storage, including any incompatibilities

Segregate from strong bases. Segregate from oxidizing agents. Segregate from incompatible substances. Do not expose to temperatures exceeding 50°C/ 122°F. Segregate from strong acids.

Further information on storage conditions: Keep container tightly closed. Protect from direct sunlight.

Storage stability:

Consult local fire marshal for storage requirements.

### 8. Exposure Controls/Personal Protection

#### Components with occupational exposure limits

Acetone	OSHA PEL	PEL 1,000 ppm 2,400 mg/m <sup>3</sup> ; STEL value 1,000 ppm 2,400 mg/m <sup>3</sup> ; TWA value 750 ppm 1,800 mg/m <sup>3</sup> ;
	ACGIH TLV	TWA value 250 ppm ; STEL value 500 ppm ;
1-Propanol	OSHA PEL	PEL 200 ppm 500 mg/m <sup>3</sup> ; STEL value 250 ppm 625 mg/m <sup>3</sup> ; TWA value 200 ppm 500 mg/m <sup>3</sup> ;

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	ACGIH TLV	TWA value 100 ppm ;
Isobutanol	OSHA PEL	PEL 100 ppm 300 mg/m3 ; TWA value 50 ppm 150 mg/m3 ;
	ACGIH TLV	TWA value 50 ppm ;

### Advice on system design:

General mechanical ventilation should comply with OSHA 1910.94.

Provide local exhaust ventilation to maintain recommended P.E.L.

### Personal protective equipment

#### Respiratory protection:

Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. Wear a NIOSH-certified (or equivalent) organic vapour respirator. Particulate filters should be added during spray operations. Wear respiratory protection if ventilation is inadequate.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

#### Hand protection:

Use appropriate chemically impervious gloves as determined by an evaluation of glove performance characteristics and the hazards and potential hazards identified, including but not limited to butyl, natural and synthetic rubber, nitrile, or neoprene.

#### Eye protection:

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

#### Body protection:

Body protection must be chosen based on level of activity and exposure.

#### General safety and hygiene measures:

Work place should be equipped with a shower and an eye wash. Remove contaminated clothing. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Contact lenses should not be worn. Hands and/or face should be washed before breaks and at the end of the shift.

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## 9. Physical and Chemical Properties

Form:	aerosol
Odour:	No data available.
Odour threshold:	No applicable information available.
Colour:	grey
pH value:	No applicable information available.
Melting point:	No applicable information available.
Freezing point:	No applicable information available.
Boiling range:	No applicable information available.
	No applicable information available.
Sublimation point:	No applicable information available.
Flash point:	-51.00 - -17.00 °C -59.80 - 1.40 °F
Flammability:	No applicable information available.
Lower explosion limit:	No applicable information available.
Upper explosion limit:	No applicable information available.
Autoignition:	No applicable information available.
Vapour pressure:	No applicable information available.
Relative density:	No applicable information available.

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Vapour density:	No applicable information available.
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.
Thermal decomposition:	No applicable information available.
Viscosity, dynamic:	No applicable information available.
Viscosity, kinematic:	No applicable information available.
Solubility in water:	No applicable information available.
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Molar mass:	No applicable information available.
Evaporation rate:	No applicable information available.

## 10. Stability and Reactivity

### Reactivity

No applicable information available.

### Chemical stability

The product is chemically stable.

### Possibility of hazardous reactions

No applicable information available.

### Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static discharge.

### Incompatible materials

strong oxidizing agents, strong bases, strong acids

### Hazardous decomposition products

Decomposition products:

carbon dioxide, carbon monoxide

Thermal decomposition:

No applicable information available.

## 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 liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

#### *Information on: Acetone*

*Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. High concentrations in the air may cause narcosis.*

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*Information on: 1-Propanol*

*Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Of low toxicity after short-term skin contact.*

*If used as intended, this product is not expected to present a physical or health hazard.*

*Information on: Isobutanol*

*Assessment of acute toxicity: Of low toxicity after single ingestion. Of low toxicity after short-term skin contact. Virtually nontoxic by inhalation.*

*If used as intended, this product is not expected to present a physical or health hazard.*

### Assessment other acute effects

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

### Irritation / corrosion

Assessment of irritating effects: Skin contact causes irritation. May cause severe damage to the eyes.

*Information on: Acetone*

*Assessment of irritating effects: Irritating to eyes. Not irritating to the skin. Repeated exposure may cause skin dryness or cracking.*

*Information on: 1-Propanol*

*Assessment of irritating effects: Not irritating to the skin. May cause severe damage to the eyes.*

*Information on: Isobutanol*

*Assessment of irritating effects: May cause severe damage to the eyes. Skin contact causes irritation.*

*Information on: bisphenol A-epichlorohydrin resin*

### Sensitization

Assessment of sensitization: Sensitization after skin contact possible.

*Information on: bisphenol A-epichlorohydrin resin*

### Aspiration Hazard

No applicable information available.

## Chronic Toxicity/Effects

### Repeated dose toxicity

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Acetone*

*Assessment of repeated dose toxicity: The substance may cause damage to the testes after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the hematological system after repeated ingestion of high doses. The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.*

*Information on: 1-methoxy-2-propylacetate*

*Assessment of repeated dose toxicity: Repeated dermal uptake of the substance did not cause substance-related effects. The product has not been tested. The statement has been derived from*



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*substances/products of a similar structure or composition. The substance may cause damage to the olfactory epithelium after repeated inhalation. Repeated oral uptake of the substance did not cause substance-related effects.*

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### Genetic toxicity

Assessment of mutagenicity: No applicable information available.

### Carcinogenicity

Assessment of carcinogenicity: No applicable information available.

### Reproductive toxicity

Assessment of reproduction toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

### *Information on: Acetone*

*Assessment of reproduction toxicity: As shown in animal studies, the product may cause damage to the testes after repeated high exposures that cause other toxic effects.*

### *Information on: 1-Propanol*

*Assessment of reproduction toxicity: In high doses a potential to impair fertility cannot be fully excluded. Literature data.*

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### Teratogenicity

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

### *Information on: 1-Propanol*

*Assessment of teratogenicity: The potential to cause toxicity to development cannot be excluded when given in high doses. Literature data.*

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## 12. Ecological Information

No applicable information available.

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## 13. Disposal considerations

### **Waste disposal of substance:**

Do not incinerate closed containers. The use and processing of this product, or addition of other constituents, may cause it to be considered a hazardous waste. Do not discharge into drains/surface waters/groundwater.

Incinerate or dispose of in a RCRA-licensed facility. Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

### **Container disposal:**

WARNING: Empty containers may still contain hazardous residue. Facility must be capable of handling empty aerosol cans. Do not cut, puncture, crush, or incinerate empty aerosol containers. Dispose of in accordance with national, state and local regulations.

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### 14. Transport Information

#### Land transport

USDOT

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1  
Proper shipping name: AEROSOLS

#### Sea transport

IMDG

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1  
Marine pollutant: NO  
Proper shipping name: AEROSOLS

#### Air transport

IATA/ICAO

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1  
Proper shipping name: AEROSOLS, FLAMMABLE

### 15. Regulatory Information

#### Federal Regulations

##### Registration status:

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

#### State regulations

##### State RTK

NJ

##### CAS Number

67-64-1  
71-23-8  
78-83-1  
115-10-6  
67-64-1  
71-23-8  
78-83-1  
115-10-6

##### Chemical name

Acetone  
1-Propanol  
Isobutanol  
dimethyl ether  
Acetone  
1-Propanol  
Isobutanol  
dimethyl ether

PA

##### **NFPA Hazard codes:**

Health: 3 Fire: 4 Reactivity: 0 Special:

##### **HMIS III rating**

Health: 3 Flammability: 4 Physical hazard: 0

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### 16. Other Information

**SDS Prepared by:**  
BASF NA Product Regulations  
SDS Prepared on: 2020/12/09

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