



# BLASTER RUST CONVERTOR

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	BLASTER RUST CONVERTOR
Product Code	16-RN

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

Identified Use(s)	Rust Converter & Primer
Uses Advised Against	None

Company Identification	Blaster LLC 8500 Sweet Valley Drive Valley View, Ohio 44125
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Telephone	(216) 901-5800
Fax	(216) 901-5801
E-Mail (competent person)	<a href="http://www.blasterproducts.com">www.blasterproducts.com</a>

**Emergency telephone number**

Emergency Phone No.	Chemtrec (800) 424-9300
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### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)

Flam. Aerosol 1; Liquefied gas; Eye Irrit. 2; Skin Irrit. 2; Repr. 2; STOT SE 3; STOT RE 2; Asp. Tox. 1

**Label elements**

Hazard Symbol



**DANGER**

Signal word(s)

Hazard Statement(s)

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated.  
Causes serious eye irritation.  
Causes skin irritation.  
Suspected of damaging fertility or the unborn child.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure:  
Central Nervous System, Route: Inhalation  
May be fatal if swallowed and enters airways.

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## Precautionary Statement(s)

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Do not spray on an open flame or other ignition source.  
Do not pierce or burn, even after use.  
Avoid breathing spray.  
Wear protective gloves/eye protection.  
Wash hands and exposed skin after use.  
Use only outdoors or in a well-ventilated area.  
Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

## Other hazards

None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
Dimethyl ether	35 - 45	115-10-6	Flam. Gas 1; H220 Liquefied gas; H280
Acetone	32-40	67-64-1	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
2-butoxyethanol	2-12	111.76-2	Acute. Tox. 4; H302, H312, H332 Skin Irrit. 2; H315
Formic Acid	<3	64-18-6	Acute. Tox. 4; H302, H312, H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319

**Additional Information** - None

\* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.

Skin Contact

Wash affected skin with soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if eye irritation develops or persists.

Ingestion

Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention immediately.

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

Aspiration of droplets may cause pulmonary oedema.

**Indication of any immediate medical attention and special treatment needed**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.  
Do not use water jet.

### Special hazards arising from the substance or mixture

Highly flammable vapor (flash point below 23°C).

### Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition. Avoid contact with skin and eyes. Avoid breathing spray. Wear protective gloves/eye protection.

### Environmental precautions

Prevent liquid entering sewers, basements and work pits.

### Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

### Reference to other sections

None

### Additional Information

None

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only. Avoid breathing spray.

### Conditions for safe storage, including any incompatibilities

#### -Storage temperature

Keep in a cool, well ventilated place. Protect from sunlight. Store at temperatures not exceeding 50 °C / 122 °F. Keep container tightly closed.

#### -Incompatible materials

This product should be stored away from sources of strong heat and oxidizing chemicals. Also avoid: acids, bases, reducing agents, peroxides, amines, ammonia, chlorine and halogens.

### Specific end use(s)

Adhesive Product

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
2-Butoxyethanol	111-76-2	50 ppm	20 ppm	-----	-----	-----
Acetone	67-64-1	1000 ppm	250 ppm	-----	500 ppm	-----
Formic acid	64-18-6	5 ppm	10 ppm	5 ppm	10 ppm	

### Recommended monitoring method

NIOSH 1500 (hydrocarbons, B.P. 36 - 126 °C); NIOSH 1300 (Ketones I).

### Exposure controls

### Appropriate engineering controls

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

### Personal protection equipment

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Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.

Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

**Environmental Exposure Controls**

None known

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Aerosol spray
Color.	Clear
Odor	Pleasant
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	-41 °C (Dimethyl ether)
Evaporation Rate	Not available
Flammability (solid, gas)	Flammable aerosol.
Explosive Limit Ranges	3.4% - 18% v/v (Dimethyl ether)
Vapor pressure (Pascal)	42.7 x 10 <sup>4</sup> (Dimethyl ether)
Vapor Density (Air=1)	1.6 (Dimethyl ether)
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	Not available
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

**Other information**

None

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity**

Stable under normal conditions.

**Chemical stability**

Stable.

**Possibility of hazardous reactions**

None anticipated.

**Conditions to avoid**

Avoid contact with heat and ignition sources.

**Incompatible materials**

This product should be stored away from sources of strong heat and oxidizing chemicals. Also avoid: acids, bases, reducing agents, peroxides, amines, ammonia, chlorine and halogens.

**Hazardous decomposition product(s)**

Forms carbon oxides under fire conditions.

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## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

### Information on toxicological effects

Dimethyl ether (CAS# 115-10-6):

<b>Acute toxicity</b>	Inhalation: LC50 : 164000 ppm (gas), 4-hr. rat
<b>Irritation/Corrosivity</b>	Not to be expected
<b>Sensitization</b>	Not to be expected
<b>Repeated dose toxicity</b>	Not to be expected
<b>Carcinogenicity</b>	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

<b>Mutagenicity</b>	Not to be expected
<b>Reproductive toxicity</b>	Not to be expected

Acetone (CAS No. 67-64-1):

<b>Acute toxicity</b>	Oral LD50 = 5800 mg/kg (rat) Dermal LD50 >15800 mg/kg (rabbit) Inhalation LC50 76 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness.
<b>Irritation / Corrosivity</b>	Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.
<b>Sensitisation</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	Oral NOAEL = 900 mg/kg/day (rat) (90-days) Inhalation NOAEL $\geq$ 19,000 ppm (rat)
<b>Carcinogenicity</b>	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

<b>Mutagenicity</b>	Negative
<b>Toxicity for reproduction</b>	Negative
<b>Other information</b>	None known.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Dimethyl ether (CAS# 115-10-6):

Short term (calculated/estimated)	LC50: 1783.04 mg/l (96 hr) (fish) LC50: 755.549 mg/l (48hr) (aquatic invertebrates) EC50: 154.917 mg/l (96 hr) (algae)
Long Term	Not available.

Acetone (CAS No. 67-64-1):

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Short term

LC50 (96 hour): 5,540 mg/l (Rainbow Trout (*Oncorhynchus mykiss*))

LC50 (96 hour): 8,300 mg/l (Bluegill Sunfish (*Lepomis macrochirus*))

LC50 (48 hour(s)): 12,600 – 12,700 mg/l (*Daphnia magna*)

EC50 (14 d): 3,020 mg/l (Algae (*Chlorella pyrenoidosa*))

EC50 (15 min): 14,500 mg/l (Bacteria (*Photobacterium phosphoreum*))

Long Term

Not available.

**Persistence and degradability**

Readily biodegradable.

**Bioaccumulative potential**

Not available.

**Mobility in soil**

Not available.

**Results of PBT and vPvB assessment**

Not available.

**Other adverse effects**

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

## SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
<b>UN number</b>	1950	1950	1950
<b>Proper Shipping Name</b>	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
<b>Transport hazard class(es)</b>	2.1	2.1	2.1
<b>Packing group</b>	Not applicable	Not applicable	Not applicable
<b>Environmental hazards</b>	None assigned	None assigned	None assigned
<b>Special precautions for user</b>	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

## SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act)** - Inventory Status: All components listed or polymer exempt.

**Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):**

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Acetone	67-64-1	20-25	5000

**SARA 311/312 - Hazard Categories:** See SECTION 2: HAZARDS IDENTIFICATION

**SARA 313 - Toxic Chemicals (40 CFR 372):**

Chemical Name	CAS No.	Typical %wt.

**SARA 302 - Extremely Hazardous Substances(40 CFR 355):**

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

**California Proposition 65 List:**

Chemical Name	CAS No.	Type of Toxicity
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None	----	----
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## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: July 10, 2024

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

### Hazard Statement(s)

- H220: Extremely flammable gas.
- H225: Highly flammable liquid and vapor.
- H280: Contains gas under pressure; may explode if heated.
- H302: Harmful if swallowed.
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H336: May cause drowsiness or dizziness.

Training advice: None.

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