

Safety Data Sheet

S-76 REMOVER, Aerosol

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Version: 1.0

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(30687378/SDU_GEN_US/EN)

1. Identification

Product identifier used on the label

S-76 REMOVER, Aerosol

Recommended use of the chemical and restriction on use

Recommended use*: Nondestructive Testing

* 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:

Chemetall U.S., Inc.
675 Central Avenue
New Providence, NJ 07974 – USA

Telephone: +1 800 526-4473
E-mail address: michael.l.chang@basf.com

Emergency telephone number

Telephone: 800-424-9300, 1-703-527-3887

Other means of identification

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	Aerosol containing a compressed gas
Colour	colourless
Odour	solvent-like
Hazard Summary	Flammable/Combustible! Harmful if swallowed. Harmful by inhalation. Contents under pressure.

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	May cause eye irritation
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GHS Classification

Flammable aerosols : Category 2
Gases under pressure : Compressed gas
Acute toxicity (Inhalation) : Category 2

GHS label elements

Hazard pictograms :   

Signal word : Danger

Hazard statements : Flammable aerosol.
Contains gas under pressure; may explode if heated.
Fatal if inhaled.

Precautionary statements : **Prevention:**
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Use only outdoors or in a well-ventilated area. (THIS STATEMENT APPLIES TO THE CONCENTRATE ONLY, NOT WHEN DILUTED WITH WATER FOR USE).
Wear respiratory protection.
Response:
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
Storage:
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Inhalation : yes
Skin : no
Ingestion : yes
Aggravated Medical Condition : None known.

Carcinogenicity:

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IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture :

Hazardous components

Component	CAS-No.	Weight percent
Heptane	142-82-5	70 - 90
Butane	106-97-8	20 - 30
Propane	74-98-6	5 - 10

Unidentified ingredients are considered not hazardous, or not required to be listed under Federal Hazard Communication Standard (29CFR 1910.1200).

Specific chemical identity of composition has been withheld as a trade secret.

Exact percentage of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

If inhaled	: Remove to fresh air. If symptoms persist, call a physician. If breathing is irregular or stopped, administer artificial respiration.
In case of skin contact	: Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists
In case of eye contact	: Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Seek medical advice.
If swallowed	: Rinse mouth. Drink plenty of water. Obtain medical attention.

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SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry chemical
Carbon dioxide (CO₂)
Foam
Water spray
- Further information : Use water spray to cool unopened containers.
Closed containers may explode when exposed to heat.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
Remove all sources of ignition.
Evaporates.
- Methods and materials for containment and cleaning up : Ventilate area.
Remove all heat and ignition sources.
Clean up with inert absorbant material.
Keep in suitable, closed containers for disposal.
Flush with plenty of water.
- Additional advice : Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Use only with adequate ventilation.
Avoid breathing vapors, mist or gas.
Sudden Release of Pressure Hazard
Take precautionary measures against static discharges.
Do not puncture
- Conditions for safe storage : Store indoors in a cool, well-ventilated place
KEEP FROM FREEZING
Keep out of sun and away from heat.
Keep away from open flames, hot surfaces and sources of ignition.
Store product between 40F and 100F

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Heptane	142-82-5	TWA	85 ppm	NIOSH REL

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			350.000000 mg/m3	
		C	440 ppm 1,800.000000 mg/m3	NIOSH REL
		TWA	500 ppm 2,000.000000 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600.000000 mg/m3	OSHA P0
		STEL	500 ppm 2,000.000000 mg/m3	OSHA P0
		TWA	400 ppm	ACGIH
		STEL	500 ppm	ACGIH
		PEL	400 ppm 1,600.000000 mg/m3	CAL PEL
		STEL	500 ppm 2,000.000000 mg/m3	CAL PEL
Butane	106-97-8	TWA	800 ppm 1,900.000000 mg/m3	NIOSH REL
		TWA	800 ppm 1,900.000000 mg/m3	OSHA P0
		STEL	1,000 ppm	ACGIH
		PEL	800 ppm 1,900.000000 mg/m3	CAL PEL
Propane	74-98-6	TWA	1,000 ppm 1,800.000000 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,800.000000 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,800.000000 mg/m3	OSHA P0
		PEL	1,000 ppm 1,800.000000 mg/m3	CAL PEL

Engineering measures : MADE IN CANADA
Contains: 12 x 16 oz Aerosol Cans

Personal protective equipment

Respiratory protection : If occupational exposure limits are exceeded, proper control and protection measures should be implemented.

Hand protection
Remarks : Impervious gloves

Eye protection : Safety glasses with side-shields

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Skin and body protection	: Rubber or plastic apron
Hygiene measures	: Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Wear suitable protective clothing. Wash hands before breaks and immediately after handling the product. Provide adequate ventilation. Do not inhale fumes. Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Aerosol containing a compressed gas
Colour	: colourless
Odour	: solvent-like
pH	: Not applicable
Freezing point	: < -15 °C
Boiling point/boiling range	: No data available
Flash point	: < -7.8 °C
Evaporation rate	: (Butyl Acetate = 1): Greater than 1.
Upper explosion limit	: Not applicable.
Lower explosion limit	: Not applicable
Vapour pressure	: No data available
Relative density	: 1.05
Bulk density	: 8.76 lb/gal
Solubility(ies)	
Water solubility	: completely soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Heat, flames and sparks. Direct sources of heat. freezing
Incompatible materials	: Strong oxidizing agents

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Hazardous decomposition products : Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate : > 5,000.000000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : 0.090000 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : 4,243.000000 mg/kg
Method: Calculation method

Components:

Heptane:

Acute oral toxicity : LD50 Mouse: 5,000.000000 mg/kg

Acute inhalation toxicity : LC50 Rat: 0.103000 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD50 Rabbit: 3,000.000000 mg/kg

Butane:

Acute inhalation toxicity : LC50 Mouse: 1,237.000000 mg/l
Exposure time: 2 h
Test atmosphere: vapour

Acute toxicity (other routes of administration) : Humans:
Target Organs: Central nervous system

Propane:

Acute inhalation toxicity : LC50 Rat: 658.000000 mg/l
Exposure time: 4 h
Test atmosphere: gas

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

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Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Bioaccumulative potential

Product:

Partition coefficient: : Remarks: No data available
n-octanol/water
Other adverse effects

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

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TSCA Status : All components of this material comply with US TSCA requirements.

OSHA Hazards : Compressed Gas, Toxic by inhalation.
WHMIS Classification : D2B: Toxic Material Causing Other Toxic Effects
B5: Flammable aerosol

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 Hazards : Sudden Release of Pressure Hazard
Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know

Heptane	142-82-5
Butane	106-97-8
Propane	74-98-6

Pennsylvania Right To Know

Heptane	142-82-5
Butane	106-97-8
Propane	74-98-6

New Jersey Right To Know

Heptane	142-82-5
Butane	106-97-8
Propane	74-98-6

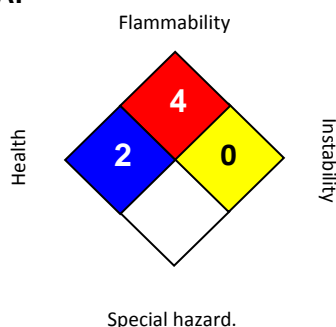
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NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	4
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Splash Goggles, Gloves, Apron, Vapour
Respirator

SECTION 16. OTHER INFORMATION

Further information

Version 1.1
Revision Date 01/06/2018

SDS Prepared by:

Chemetall (now part of BASF Group) NA Product Regulations
SDS Prepared on: 2018/01/12

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The content of this Safety Data Sheet (SDS) is based on an existing document from an acquired company with adaptations to Section I. The data is currently under validation.

END OF DATA SHEET