



Material Safety Data Sheet

Section 1: Product & Company Identification

Product Name: Gasket Remover

Product Number (s): 03017, 83017

Manufactured By:

CRC Industries, Inc.
885 Louis Drive
Warminster, PA 18974
www.crcindustries.com

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-4620
24-Hr Emergency (CHEMTREC)	(800) 424-9300

Section 2: Hazards Identification

Emergency Overview

Appearance & Odor: Light grey viscous liquid, fragrant solvent odor

WARNING

Flammable. Harmful if Inhaled or Swallowed. Eye Irritant. Contents Under Pressure.

As defined by OSHA's Hazard Communication Standard, this product is hazardous.

Potential Health Effects:

- EYE:** Moderate to severe eye irritant. Inflammation of the eye is characterized by redness, watering and itching.
- SKIN:** May cause skin irritation or rash. Prolonged or repeated exposure may cause defatting and drying which can lead to dermatitis.
- INHALATION:** High vapor concentrations are irritating to the nose, throat and lungs. Exposure to high concentrations may lead to central nervous system effects including drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness.
- INGESTION:** Ingestion results in mucous membrane irritation. Product is a pulmonary aspiration hazard. Material can enter lungs during swallowing or vomiting and cause damage.
- CHRONIC EFFECTS:** Continuous inhalation of acetone vapors can lead to central nervous system depression. May accumulate in body after repeated doses
- TARGET ORGANS:** central nervous system, liver, kidneys

Medical Conditions Aggravated by Exposure:

pre-existing skin or eye conditions, asthma

See Section 11 for toxicology and carcinogenicity information on product ingredients.

Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Acetone	67-64-1	45 – 55
N-Methylpyrrolidone	872-50-4	15 – 25
Xylene	1330-20-7	1 – 5
Ethylbenzene	100-41-4	< 1
Liquefied petroleum gas	68476-86-8	20 - 30

Section 4: First Aid Measures

Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Ingestion: Do NOT induce vomiting. If victim is conscious, give two glasses of water to dilute. Contact a physician immediately.

Note to Physicians: Support respiratory and cardiovascular function.

Section 5: Fire-Fighting Measures

Flammable Properties: This product is flammable in accordance with aerosol flammability definitions (16 CFR 1500.3(c)(6)).

Flash Point:	56 F (Seta)	Upper Explosive Limit:	ND
Autoignition Temperature:	> 500 F	Lower Explosive Limit:	ND

Suitable Extinguishing Media: Use media appropriate for a Class B fire such as dry chemical, water spray or fog.

Products of Combustion: oxides of carbon, oxides of nitrogen

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush

into sewers or storm drains.

Methods for Containment & Clean-up: Eliminate sources of ignition. Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

Section 7: Handling and Storage

Handling Procedures: Keep away from heat, sparks and flame. Use only with adequate ventilation.

Storage Procedures: Store in a cool dry area out of direct sunlight. Aerosol cans must be maintained below 120 F to prevent cans from rupturing.

Aerosol Storage Level: III

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Acetone	750 (s)	1000 (v)	500	750	NE		ppm
N-Methylpyrrolidone	NE	NE	NE	NE	10	AIHA	ppm
Xylene	100	150 (v)	100	150	NE		ppm
Ethylbenzene	100	125 (v)	100	125	NE		ppm
Liquefied petroleum gas	1000	NE	1000	NE	NE		ppm
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated							

Engineering Controls: Area should have ventilation to provide fresh air. Use local exhaust to prevent accumulation of vapors. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations

Respiratory Protection: None required for normal work where adequate ventilation is provided. Use a NIOSH-approved cartridge respirator with organic cartridge if vapors exceed exposure limits. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as butyl rubber. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

Section 9: Physical and Chemical Properties

Physical State: liquid
 Color: light grey
 Odor: fragrant solvent
 Specific Gravity: 0.7419

Initial Boiling Point: 133 F

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: > 1 (air = 1)

Evaporation Rate: > 1 (butyl acetate = 1)

Solubility: soluble in water

pH: NA

Volatile Organic Compounds: wt %: 47.5 g/L: 352.4 lbs./gal: 2.94**Section 10: Stability and Reactivity**

Stability: Stable

Conditions to Avoid: Heat, open flames, sparks, static discharge

Incompatible Materials: oxidizing agents, organic peroxides, nitric acid, certain halogenated compounds, aliphatic amines

Hazardous Decomposition Products: oxides of carbon

Possibility of Hazardous Reactions: No

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

ACUTE EFFECTS

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Acetone	LD50	1800 mg/kg	oral	rat
N-methylpyrrolidone	LD50	2500 mg/kg	dermal	rabbit
Acetone	LC50	76 mg/L/4H	inhalation	rat
N-methylpyrrolidone	LC50	3.1 mg/L/4H	inhalation	rat

CHRONIC EFFECTS**Carcinogenicity:**

	<u>Component</u>	<u>Result</u>
OSHA:	Ethylbenzene	hazard communication carcinogen
IARC:	Ethylbenzene	2B – Possibly carcinogenic to humans
NTP:	None listed	

Mutagenicity: No information available

Other: None

Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: Acetone - 48 Hr EC50 Daphnia magna: 12600 mg/L
96 Hr LC50 Oncorhynchus mykiss: 5540 mg/L [static]

Persistence / Degradability: n-methyl pyrrolidine - 48 Hr EC50 Daphnia magna: 4897 mg/L
At least 50% of this product is biodegradable.
Bioaccumulation / Accumulation: No information available
Mobility in Environment: No information available

Section 13: Disposal Considerations

Disposal: The dispensed liquid product is a RCRA hazardous waste with the following possible waste codes: D001, F003 (See 40 CFR Part 261.20 – 261.33)
Aerosol containers should be emptied and depressurized before disposal. Empty containers may be recycled. Any liquid product should be managed as a hazardous waste.

All disposal activities must comply with federal, state and local regulations. Local regulations may be more stringent than state or national requirements.

Section 14: Transport Information

Proper shipping description:

US DOT (ground): Consumer Commodity, ORM-D

Special Provisions: None

Section 15: Regulatory Information

U.S. Federal

Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: acetone (5000 lbs)
xylene (100 lbs)
ethylbenzene (1000 lbs)

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:

Fire Hazard	Yes
Reactive Hazard	No
Release of Pressure	Yes
Acute Health Hazard	Yes
Chronic Health Hazard	Yes

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
n-methylpyrrolidone (< 20%), xylene (< 3%), ethylbenzene (< 1%)

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): xylene, ethylbenzene

State Regulations

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: n-methylpyrrolidone
ethylbenzene

State Right to Know:

New Jersey: 67-64-1, 872-50-4, 1330-20-7, 100-41-4
Pennsylvania: 67-64-1, 872-50-4, 1330-20-7, 100-41-4
Massachusetts: 67-64-1, 872-50-4, 1330-20-7, 100-41-4
Rhode Island : 67-64-1, 872-50-4, 1330-20-7, 100-41-4

Additional Regulatory Information: None

Section 16: Other Information

NFPA: Health: 2 Flammability: 3 Reactivity: 0
HMIS: Health: 2 Flammability: 3 Reactivity: 0 PPE: B

Prepared By: Michelle Rudnick
CRC #: 553B
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Changes since last revision: New formula

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS: Chemical Abstract Service NA: Not Applicable
ppm: Parts per Million ND: Not Determined
TCC: Tag Closed Cup NE: Not Established
PMCC: Pensky-Martens Closed Cup g/L: grams per Liter
PPE: Personal Protection Equipment lbs./gal: pounds per gallon
TWA: Time Weighted Average STEL: Short Term Exposure Limit
OSHA: Occupational Safety and Health Administration AIHA: American Industrial Hygiene Assoc.
ACGIH: American Conference of Governmental Industrial Hygienists
NIOSH: National Institute of Occupational Safety & Health