



MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: Graffiti and Paint Remover Towels

Product Number (s): 04104, 74304

Product Use: Graffiti and paint remover

Manufacturer / Supplier Contact Information:

In United States:

CRC Industries, Inc.

885 Louis Drive

Warminster, PA 18974

www.crcindustries.com

1-215-674-4300 (General)

(800) 521-3168 (Technical)

(800) 272-4620 (Customer Service)

In Canada:

CRC Canada Co.

2-1246 Lorimar Drive

Mississauga, Ontario L5S 1R2

www.crc-canada.ca

1-905-670-2291

In Mexico:

CRC Industries Mexico

Av. Benito Juárez 4055 G

Colonia Orquídea

San Luís Potosí, SLP CP 78394

www.crc-mexico.com

52-444-824-1666

24-Hr Emergency – CHEMTREC: (800) 424-9300 or (703) 527-3887

Section 2: Hazards Identification

Emergency Overview

WARNING: Flammable. May Be Harmful if Swallowed or Inhaled. Causes Eye and Skin Irritation.
Appearance & Odor: Colorless liquid with a plumeria odor saturated on a towel

Potential Health Effects:

ACUTE EFFECTS:

EYE: Causes eye irritation including redness, tearing or burning.

SKIN: Causes skin irritation including burning, drying, redness or cracking of the skin. May be harmful if absorbed through intact skin.

INHALATION: May be harmful if inhaled. Overexposure may cause irritation of the nose, throat and airways, and symptoms of central nervous system depression such as headache or dizziness.

INGESTION: Not likely as product is a saturated towel. If free liquid is ingested, may cause irritation of the digestive tract, nausea and vomiting. Main hazard is aspiration of material into lungs during swallowing or vomiting. This can lead to chemical pneumonitis (inflammation of the lungs).

CHRONIC EFFECTS: None known

TARGET ORGANS: Lungs, liver, kidney, blood

Medical Conditions Aggravated by Exposure: Pre-existing skin, lung, blood, liver and kidney conditions may be adversely affected.

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

Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Water	7732-18-5	15 – 40
Dimethyl Glutarate / Dimethyl Adipate	1119-40-0 / 627-93-0	10 – 30
PPG-3 Methyl Ether	25498-49-1	10 – 30
Methoxyisopropanol	107-98-2	7 – 13
Acetone	67-64-1	7 – 13
Dibasic Ester	Mixture	5 – 10
2-Butoxyethanol	111-76-2	5 – 10
Amyl Acetate	628-63-7	1 – 5

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:** Call a physician or poison control center immediately. Do not induce vomiting unless directed by a physician or poison control center. Never give anything by mouth to an unconscious person.
- Note to Physicians:* This product contains 2-Butoxyethanol which, if ingested in significant quantities, may result in red blood cell hemolysis. Treat symptomatically.

Section 5: Fire-Fighting Measures

Flammable Properties: Liquid product is a Class IB flammable liquid, as defined by OSHA.

Flash Point: 62°F / 17°C (PMCC)	Upper Explosive Limit: ND
Autoignition Temperature: ND	Lower Explosive Limit: ND

Fire and Explosion Data:

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam or water fog. Fire may float as if an oil fire.

Products of Combustion: Oxides of carbon, smoke, soot and various organic oxidation by-products.

Explosion Hazards: Containers, when exposed to heat from fire, may build pressure and rupture. Vapors may accumulate in a confined space and create a flammable atmosphere.

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: Wipe up any free liquid with a dry absorbent cloth or other absorbent material. Ventilate the area. Transfer absorbents into suitable container for proper disposal.

Section 7: Handling and Storage

Handling Procedures: Do not use around sources of ignition. Do not swallow. Do not get into eyes. Wash thoroughly after handling. Avoid contact with skin and clothing. Avoid inhaling mists or vapors. Use only with adequate ventilation. Follow good chemical hygiene practice when handling this material. Follow label directions carefully.

Storage Procedures: Keep out of reach of children. Store in a cool, well-ventilated area. Keep away from heat sources. Keep container tightly sealed when not in use. Do not contaminate water, food or feed by use or storage.

Aerosol Storage Level: NA

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Water	NE	NE	NE	NE	NE		
Dimethyl Glutarate / Dimethyl Adipate	NE	NE	NE	NE	NE		
PPG-3 Methyl Ether	NE	NE	NE	NE	NE		
Methoxyisopropanol	100	NE	100	150	NE		ppm
Acetone	750 (v)	1000 (v)	500	750	NE		ppm
Dibasic Ester	NE	NE	NE	NE	NE		
2-Butoxyethanol	50 (s)	NE	20	NE	NE		ppm
Amyl Acetate	100	NE	50	100	NE		ppm
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated							

Controls and Protection:

Engineering Controls: Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines.

Respiratory Protection: None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Air monitoring is needed to determine actual employee exposure levels.

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 or nitrile. 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 saturated on towels

Color: colorless

Odor: plumeria

Odor Threshold: ND

Specific Gravity: 0.986

Initial Boiling Point: 212°F / 100°C

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: > 1 (air = 1)

Evaporation Rate: slow

Solubility: miscible

Coefficient of water/oil distribution: ND

pH: 6.3

Volatile Organic Compounds: wt %: 30 g/L: 295.8 lbs./gal: 2.46

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Temperature extremes, sources of ignition

Incompatible Materials: Strong alkalis, acids, oxidizers, alkali metal hydroxides and heat

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, smoke, soot and various organic oxidation by-products

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 Toxicity:

<u>Component</u>	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rabbit)</u>	<u>Inhalation LC50 (rat)</u>
Water	> 90 mL/kg	No data	No data
Dimethyl Glutarate / Dimethyl Adipate	6400 mg/kg	No data	No data
PPG-3 Methyl Ether	3200 mg/kg	15440 mg/kg	No data
Methoxyisopropanol	6600 mg/kg	13 g/kg	10,000 ppm/5H
Acetone	5800 mg/kg	No data	50,100 mg/m ³ /8H
Dibasic Ester	No data	No data	No data
2-Butoxyethanol	470 mg/kg	220 mg/kg	450 ppm/4H
Amyl Acetate	> 1600 mg/kg	No data	No data

Chronic Toxicity:

<u>Component</u>	<u>OSHA Carcinogen</u>	<u>IARC Carcinogen</u>	<u>NTP Carcinogen</u>	<u>Irritant</u>	<u>Sensitizer</u>
Water	No	No	No	No	No
Dimethyl Glutarate / Dimethyl Adipate	No	No	No	E & R (mild)	Unknown
PPG-3 Methyl Ether	No	No	No	E (moderate)	Unknown
Methoxyisopropanol	No	No	No	E & S (mild) / R (moderate)	Unknown
Acetone	No	No	No	E & S (moderate) / R (mild)	Yes
Dibasic Ester	No	No	No	E & S (mild)	Unknown
2-Butoxyethanol	No	No	No	E (severe) / S & R (mild)	No
Amyl Acetate	No	No	No	E & R (moderate) / S (mild)	Unknown

E – Eye S – Skin R - Respiratory

Reproductive Toxicity: No information available
Teratogenicity: No information available
Mutagenicity: No information available
Synergistic Effects: No information available

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
 Persistence / Degradability: No information available
 Bioaccumulation / Accumulation: No information available
 Mobility in Environment: No information available

Section 13: Disposal Considerations

Waste Classification: This product is a RCRA hazardous waste for the characteristic of ignitability with a waste code of D001. Used towels should be re-evaluated for flammability. (See 40 CFR Part 261.20 – 261.33)
 Empty containers may be recycled.

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

Section 14: Transport Information

US DOT (ground): UN1263, Paint Related Material, 3, PGII, Limited Quantity
 ICAO/IATA (air): UN1263, Paint Related Material, 3, PGII
 IMO/IMDG (water): UN1263, Paint Related Material, 3, PGII, Limited Quantity
 Special Provisions: None

Section 15: Regulatory Information

U.S. Federal Regulations:

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)

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	No
	Acute Health Hazard	Yes
	Chronic Health Hazard	No

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:

2-Butoxyethanol (glycol ethers category): 7.4%

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

Occupational Safety and Health Administration (OSHA):

This product is regulated under the Hazard Communication Standard.

U.S. 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: Benzene (trace)

Consumer Products VOC Regulations: In states with Consumer Products VOC regulations, this product is compliant as a Graffiti Remover.

State Right to Know:

New Jersey:	107-98-2, 67-64-1, 111-76-2
Pennsylvania:	107-98-2, 67-64-1, 111-76-2
Massachusetts:	107-98-2, 67-64-1, 111-76-2
Rhode Island :	107-98-2, 67-64-1, 111-76-2

Canadian Regulations:

Controlled Products Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Hazard Class: B2, D1A, D1B, D2B

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

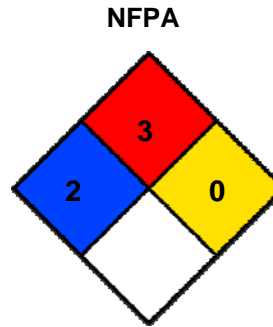
European Union Regulations:

RoHS Compliance: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

Additional Regulatory Information: None

Section 16: Other Information

HMIS® (II)	
Health:	2
Flammability:	3
Reactivity:	0
PPE:	B



Ratings range from 0 (no hazard) to 4 (severe hazard)

Prepared By: Michelle Rudnick
 CRC #: 04104
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Changes since last revision: Section 14: Transport Information

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. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.

ACGIH: American Conference of Governmental Industrial Hygienists
 CAS: Chemical Abstract Service
 CFR: Code of Federal Regulations
 DOT: Department of Transportation
 DSL: Domestic Substance List
 g/L: grams per Liter
 HMIS: Hazardous Materials Identification System
 IARC: International Agency for Research on Cancer
 IATA: International Air Transport Association
 ICAO: International Civil Aviation Organization
 IMDG: International Maritime Dangerous Goods
 IMO: International Maritime Organization
 lbs./gal: pounds per gallon
 LC: Lethal Concentration
 LD: Lethal Dose

NA: Not Applicable
 ND: Not Determined
 NIOSH: National Institute of Occupational Safety & Health
 NFPA: National Fire Protection Association
 NTP: National Toxicology Program
 OSHA: Occupational Safety and Health Administration
 PMCC: Pensky-Martens Closed Cup
 PPE: Personal Protection Equipment
 ppm: Parts per Million
 RoHS: Restriction of Hazardous Substances
 STEL: Short Term Exposure Limit
 TCC: Tag Closed Cup
 TWA: Time Weighted Average
 WHMIS: Workplace Hazardous Materials Information System