

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** 418  
**Product name** DD-42 Adhesive Remover  
**Effective date** 10-Jan-2013  
**Company information** Ricmar Industries  
889 N. Larch  
Elmhurst, IL 60126 United States  
**Company phone** General Assistance 800-323-0779  
**Emergency telephone US** 1-866-836-8855  
**Emergency telephone outside US** 1-952-852-4646  
**Version #** 02  
**Supersedes date** 10-Jan-2013

## 2. Hazards Identification

**Emergency overview** Aerosol. Highly flammable. CONTENTS UNDER PRESSURE.  
Irritating to eyes. Prolonged exposure may cause chronic effects.

**Potential health effects**

**Routes of exposure** Inhalation. Ingestion. Skin contact. Eye contact.

**Eyes** Causes eye irritation.

**Skin** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Inhalation** Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.

**Ingestion** Exposure by ingestion of an aerosol is unlikely. Components of the product may be absorbed into the body by ingestion.

**Target organs** Lungs.

**Chronic effects** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause delayed lung injury.

**Signs and symptoms** Discomfort in the chest. Coughing. Defatting of the skin. Skin irritation.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
d-Limonene	5989-27-5	70 - 80
Carbon Dioxide	124-38-9	3 - 5
Non-hazardous and other components below reportable levels		20 - 40

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**Skin contact** Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention immediately. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.

**Inhalation** Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or Poison Control Center immediately.

**Ingestion** If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not induce vomiting without advice from poison control center. Do not use mouth-to-mouth method if victim ingested the substance. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

### 5. Fire Fighting Measures

<b>Flammable properties</b>	Heat may cause the containers to explode. Vapors may travel considerable distance to a source of ignition and flash back. Runoff to sewer may cause fire or explosion hazard.
<b>Protection of firefighters</b>	
<b>Protective equipment and precautions for firefighters</b>	Containers should be cooled with water to prevent vapor pressure build up.

### 6. Accidental Release Measures

<b>Methods for containment</b>	Stop leak if you can do so without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk.
<b>Methods for cleaning up</b>	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

### 7. Handling and Storage

<b>Handling</b>	Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Do not use if spray button is missing or defective. Do not re-use empty containers. Avoid prolonged exposure.
<b>Storage</b>	Contents under pressure. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Avoid exposure to long periods of sunlight. Keep away from food, drink and animal feedingstuffs. Level 3 Aerosol.

### 8. Exposure Controls / Personal Protection

**Exposure limits****ACGIH**

Components	CAS #	TWA	STEL	Ceiling
Carbon Dioxide	124-38-9	5000 ppm	30000 ppm	Not established

**OSHA**

Components	CAS #	TWA	STEL	Ceiling
Carbon Dioxide	124-38-9	5000 ppm	Not established	Not established

**Personal protective equipment**

<b>Eye / face protection</b>	Chemical goggles are recommended.
<b>Skin protection</b>	Wear appropriate chemical resistant clothing. Chemical resistant gloves.
<b>Respiratory protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

### 9. Physical & Chemical Properties

<b>Appearance</b>	Clear.
<b>Boiling point</b>	267.8 °F (131.1 °C) estimated
<b>Color</b>	Orange.
<b>Density</b>	0.6191 g/cm <sup>3</sup> estimated
<b>Flammability (HOC)</b>	34.7608 kJ/g estimated
<b>Flash back</b>	No
<b>Flash point</b>	None (Propellant)
<b>Form</b>	Aerosol.
<b>Freezing point</b>	Not available
<b>Odor</b>	fruity
<b>Physical state</b>	Liquid.
<b>Pressure</b>	90 mm Hg @70°F
<b>Solubility</b>	Partially

Specific gravity 0.6192 estimated

## 10. Chemical Stability & Reactivity Information

**Chemical stability** Material is stable under normal conditions.  
**Conditions to avoid** Avoid high temperatures.  
**Hazardous decomposition products** Irritants. Toxic gas.

## 11. Toxicological Information

### Component analysis - LD50

#### Toxicology Data - Selected LD50s and LC50s

d-Limonene 5989-27-5 Oral LD50 Rat 4400 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

## 12. Ecological Information

**Ecotoxicity** Contains a substance which causes risk of hazardous effects to the environment.

## 13. Disposal Considerations

**Disposal instructions** Contents under pressure. Do not puncture, incinerate or crush. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

## 14. Transport Information

### Department of Transportation (DOT) Requirements

#### Basic shipping requirements:

**Proper shipping name** Aerosols  
**Hazard class** 2.1  
**UN number** UN1950  
**Additional information:**  
**Special provisions** 153, N82  
**Packaging exceptions** 306  
**Packaging non bulk** None  
**Packaging bulk** None



**Further information** This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2013, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/13 and may be used now in place of the "Consumer Commodity ORM-D" marking but not concurrently.

### IMDG

#### Basic shipping requirements:

**Proper shipping name** AEROSOLS  
**Hazard class** 2.1  
**UN number** 1950  
**Additional information:**  
**Packaging exceptions** LTD QTY  
**Labels required** None





**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**MSDS sections updated**

Product and Company Identification: Product Review

**Prepared by**

Regulatory Compliance