



# Material Safety Data Sheet

## 1 - Chemical Product and Company Identification

<b>Manufacturer:</b> WD-40 Company		<b>Trade Name:</b> WD-40 Specialist Long Term Corrosion Inhibitor
<b>Address:</b>	1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California, USA 92138 -0607	<b>Chemical Name:</b> Organic Mixture
<b>Telephone:</b>		<b>Product Use:</b> Corrosion Inhibitor
<b>Emergency only:</b>	1-888-324-7596 (PROSAR)	<b>MSDS Date Of Preparation:</b> 09/19/11
<b>Information:</b>	1-888-324-7596	

## 2 – Hazards Identification

<b>Emergency Overview:</b> <b>DANGER!</b> Extremely Flammable aerosol. Eye and skin irritant. May be harmful if swallowed or absorbed through the skin. Contents under pressure. Avoid eye and skin contact. Use with adequate ventilation. Keep away from heat, sparks and all other sources of ignition.
<b>Symptoms of Overexposure:</b> <b>Inhalation:</b> High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal. <b>Skin Contact:</b> Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis. May be harmful if absorbed through the skin. Causing symptoms similar to ingestion. <b>Eye Contact:</b> Contact may be irritating to eyes. May cause redness and tearing. <b>Ingestion:</b> Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, anxiety, restlessness, drowsiness, and convulsions. <b>Chronic Effects:</b> None expected. <b>Medical Conditions Aggravated by Exposure:</b> Preexisting eye, skin and respiratory conditions may be aggravated by exposure.
<b>Suspected Cancer Agent:</b> Yes    No X

## 3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent
Distillates (Petroleum), hydrotreated heavy naphthenic	64742-52-5	35-45%
Isobutane Propellant	75-28-5	15-20%
Propane Propellant	74-98-6	12-18%
Aliphatic cyclic amine	Proprietary	5-10%
Distillates (Petroleum), hydrotreated light	64742-47-8	< 2 %

## 4 – First Aid Measures

<b>Ingestion (Swallowed):</b> Do not induce vomiting unless directed to do so by medical personnel. If conscious, rinse mouth with water. Never give anything by the mouth to an unconscious or drowsy person. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately.
<b>Eye Contact:</b> Flush thoroughly with water for 15 minutes. Get medical attention if irritation persists.
<b>Skin Contact:</b> Wash with soap and water. If irritation develops and persists, get medical attention.
<b>Inhalation (Breathing):</b> If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

## 5 – Fire Fighting Measures

**Extinguishing Media:** Use water fog, dry chemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.

**Special Fire Fighting Procedures:** Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting containers.

**Unusual Fire and Explosion Hazards:** Extremely flammable. Contents under pressure. Aerosol containers may burst under fire conditions. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

## 6 – Accidental Release Measures

Wear appropriate protective clothing (see Section 8). Eliminate all sources of ignition and ventilate area. Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.

## 7 – Handling and Storage

**Handling:** Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces and open flames. Unplug electrical tools, motors, and appliances before spraying, or bringing can near any source of electricity. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors, or appliances, or any other source of electricity. Wash thoroughly with soap and water after handling. Do not puncture or incinerate containers. Keep can away from electrical current or battery terminals. Electrical arcing can cause burn-through (puncture) which may result in flash fire, causing serious injury. Keep out of the reach of children.

**Storage:** Do not store above 120°F or in direct sunlight. U.F.C (NFPA 30B) Level 3 Aerosol.

## 8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Distillates (Petroleum), hydrotreated heavy naphthenic	5 mg/m <sup>3</sup> TWA ACGIH TLV (Inhalable) 5 mg/m <sup>3</sup> TWA OSHA PEL
Isobutane Propellant	1000 ppm TWA ACGIH TLV (aliphatic hydrocarbon gas)
Propane Propellant	1000 ppm TWA OSHA PEL 1000 ppm TWA ACGIH TLV (aliphatic hydrocarbon gas)
Distillates (Petroleum), hydrotreated light	5 mg/m <sup>3</sup> TWA ACGIH TLV (Inhalable) 5 mg/m <sup>3</sup> TWA OSHA PEL
Aliphatic cyclic amine	None Established

### The Following Controls are Recommended for Normal Consumer Use of this Product

**Engineering Controls:** Use in a well-ventilated area.

#### Personal Protection:

**Eye Protection:** Avoid eye contact. Safety glasses or goggles recommended.

**Skin Protection:** Avoid skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.

**Respiratory Protection:** None needed for normal use with adequate ventilation.

### For Bulk Processing or Workplace Use the Following Controls are Recommended

**Engineering Controls:** Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

#### Personal Protection:

**Eye Protection:** Safety goggles recommended where eye contact is possible.

**Skin Protection:** Wear chemical resistant gloves.

**Respiratory Protection:** None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.  
**Work/Hygiene Practices:** Wash with soap and water after handling.

### 9 – Physical and Chemical Properties

Boiling Point:	Not Determined	Specific Gravity:	0.90-0.91 @ 68°F (20°C)
Solubility in Water:	Insoluble	pH:	Not Applicable
Vapor Pressure:	6226mm Hg @ 68°F (20°C)	Vapor Density:	Greater than 1
Percent Volatile:	> 90%	VOC:	50%
Coefficient of Water/Oil Distribution:	Not Determined	Appearance/Odor	Tan liquid with a petroleum odor
Flash Point:	Not Determined	Flammable Limits:	LEL: 1.7% UEL: 10.9%
Viscosity	1000 cps @ 100°F (38°C)	Ignition temperature	860°F (460°C)

### 10 – Stability and Reactivity

**Stability:** Stable  
**Hazardous Polymerization:** Will not occur.  
**Conditions to Avoid:** Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.  
**Incompatibilities:** Strong oxidizing agents.  
**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide, smoke fumes, and unburned hydrocarbons.

### 11 – Toxicological Information

No toxicity data is available.  
 None of the components of this product is listed as a carcinogen or suspected carcinogen or is considered a reproductive hazard.

### 12 – Ecological Information

No data is currently available.

### 13 - Disposal Considerations

If this product becomes a waste, it would be expected to meet the criteria of a RCRA ignitable hazardous waste (D001). However, it is the responsibility of the generator to determine at the time of disposal the proper classification and method of disposal. Dispose in accordance with federal, state, and local regulations.

### 14 – Transportation Information

DOT Surface Shipping Description: (The following applies until 12/31/2013 for transport by ground)  
 Consumer Commodity, ORM-D  
 (Effective 1/1/2014 - UN1950, Aerosols, 2.1 Limited Quantity)  
 IMDG Shipping Description: UN1950, Aerosols, 2.1

### 15 – Regulatory Information

**U.S. Federal Regulations:**  
**CERCLA 103 Reportable Quantity:** This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.  
**SARA TITLE III:**  
**Hazard Category For Section 311/312:** Acute Health, Fire Hazard, Sudden Release of Pressure

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None  
Section 302 Extremely Hazardous Substances (TPQ): None  
**EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on the TSCA inventory  
**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):** This product does not contain chemicals regulated under California Proposition 65.  
**VOC Regulations:** This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.  
**Canadian Environmental Protection Act:** All of the ingredients are listed on the Canadian Domestic Substances List or exempt from notification  
**Canadian WHMIS Classification:** Class B-5 (Flammable Aerosol), Class D-2-B (Eye and skin irritant.)  
This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

**16 – Other Information:**

**HMIS Hazard Rating:**  
**Health – 2 (moderate hazard), Fire Hazard – 4 (severe hazard), Physical Hazard – 0 (minimal hazard)**

SIGNATURE:  TITLE: Director of Global Consumer Relations and Regulatory Affairs

REVISION DATE: September 2011

SUPERSEDES: New