



Safety Data Sheet

1 - Identification

Product Name: WD-40 Specialist® Long Term Corrosion Inhibitor Product Use: Corrosion Inhibitor Restrictions on Use: None identified SDS Date Of Preparation: July 19, 2018	Manufacturer: WD-40 Company Address: 9715 Businesspark Avenue San Diego, California, USA 92131 Telephone: Emergency: 1-888-324-7596 Information: 1-888-324-7596 Chemical Spills: 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls)
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2 – Hazards Identification

Hazcom 2012/GHS Classification:

Flammable Aerosol Category 1
 Gas Under Pressure: Compressed Gas
 Skin Irritation Category 2
 Eye Irritation Category 2A
 Skin Sensitizer Category 1B

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

Label Elements:



DANGER!

Extremely Flammable Aerosol.
 Contains gas under pressure; may explode if heated.
 Causes skin irritation.
 Causes serious eye irritation.
 May cause an allergic skin reaction.

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.
 Avoid breathing mist, vapors or spray.
 Wash hands thoroughly after handling.
 Contaminated work clothing should not be allowed out of the workplace.
 Wear protective gloves and eye protection.

Response

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention.
 Take off contaminated clothing and wash it before reuse
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

Disposal

Dispose of contents and container in accordance with local and national regulations.

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	US Hazcom 2012/ GHS Classification
Distillates (Petroleum), hydrotreated heavy naphthenic	64742-52-5	35-45%	Not Hazardous
Aliphatic cyclic amine	Proprietary	5-10%	Acute Oral Toxicity Category 4 Eye Irritation Category 2A Skin Irritation Category 2
Calcium Sulfonate	Proprietary	5-10%	Skin Sensitization Category 1B
Distillates (Petroleum), hydrotreated light	64742-47-8	<2%	Aspiration Toxicity Category 1
Propellant (propane, isobutane)	74-98-6/75-28-5	25-40%	Flammable Gas Category 1 Gas Under Pressure, Compressed Gas

Note: The exact percentages are a trade secret.

4 – First Aid Measures

Ingestion (Swallowed): 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.

Eye Contact: Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for 15 minutes. Get medical attention if irritation persists.

Skin Contact: Wash with soap and water. If irritation develops and persists, get medical attention.

Inhalation (Breathing): If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

Signs and Symptoms of Exposure: Eye and skin irritant. May be harmful if swallowed or absorbed through the skin. May cause allergic skin reaction (sensitization).

Indication of Immediate Medical Attention/Special Treatment Needed: Immediate medical attention is generally not required.

5 – Fire Fighting Measures

Suitable (and unsuitable) 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.

Specific Hazards Arising from the Chemical: Extremely Flammable Aerosol. Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Combustion will produce oxides of carbon, sulfur and nitrogen and hydrocarbons.

Special Protective Equipment and Precautions for Fire-Fighters: 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.

6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing (see Section 8). Eliminate all sources of ignition and ventilate area.

Methods and Materials for Containment/Cleanup: 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

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use only 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 the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. 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. Keep containers closed when not in use. Keep out of the reach of children. Do not puncture, crush or incinerate containers, even when empty.

Conditions for Safe Storage: Store in a cool, well-ventilated area, away from incompatible materials Do not store above 120°F or in direct sunlight. U.F.C (NFPA 30B) Level 3 Aerosol. Store away from oxidizers.

8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Distillates (Petroleum), hydrotreated heavy naphthenic	5 mg/m ³ TWA ACGIH TLV (Inhalable) 5 mg/m ³ TWA OSHA PEL
Aliphatic cyclic amine	None Established
Calcium Sulfonate	None Established
Distillates (Petroleum), hydrotreated light	1200 mg/m ³ TWA (manufacturer recommended)
Propane	1000 ppm TWA OSHA PEL
Isobutane	1000 ppm STEL ACGIH STEL

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

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

Personal Protection:

Eye Protection: Avoid eye contact. Always spray away from your face.

Skin Protection: Avoid prolonged 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

Appropriate 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

Appearance:	Tan liquid	Flammable Limits: (Solvent Portion)	LEL: 1.7% UEL: 10.9%
Odor:	Petroleum odor	Vapor Pressure:	6226mm Hg @ 68°F (20°C)
Odor Threshold:	Not established	Vapor Density:	Greater than 1 (air=1)
pH:	Not Applicable	Relative Density:	0.90-0.91 @ 68°F (20°C)
Melting/Freezing Point:	Not established	Solubilities:	Insoluble in water
Boiling Point/Range:	Not established	Partition Coefficient; n- octanol/water:	Not established
Flash Point:	Not established	Autoignition	860°F (460°C)

		Temperature:	
Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas):	Flammable Aerosol	Viscosity:	1000 cps @ 100°F (38°C)
VOC:	34% (329.7 g/L)	Pour Point:	Not established

10 – Stability and Reactivity

Reactivity: Not reactive under normal conditions

Chemical Stability: Stable

Possibility of Hazardous Reactions: May react with strong oxidizers generating heat.

Conditions to Avoid: Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide, oxides of nitrogen and sulfur, smoke, fumes, and unburned hydrocarbons.

11 – Toxicological Information

Symptoms of Overexposure:

Inhalation: 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.

Skin Contact: 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. Repeated skin contact may cause an allergic skin reaction.

Eye Contact: Contact may be irritating to eyes. May cause redness and tearing.

Ingestion: Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, anxiety, restlessness, drowsiness, and convulsions.

Chronic Effects: None expected.

Carcinogen Status: None of the components are listed as a carcinogen or suspect carcinogen by IARC, NTP, ACGIH or OSHA.

Reproductive Toxicity: None of the components is considered a reproductive hazard.

Numerical Measures of Toxicity:

The oral toxicity of this product is estimated to be greater than 2,000 mg/kg; the inhalation toxicity is greater than 20 mg/L and the dermal toxicity greater than 2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria.

12 – Ecological Information

Ecotoxicity:

Distillates (Petroleum), hydrotreated heavy naphthenic: LC50 pimephales promelas >30,000 mg/L/96 hr;

EC50 daphnia magna >1000 mg/L/48 hr; ErC50 scenedesmus subspicatus >1000 mg/L/96 hr.

Distillates (Petroleum), hydrotreated light: No ecotoxicity data available. Not expected to be harmful to aquatic organisms.

Aliphatic cyclic amine: Classified as acute toxicity category 1 based on read-across.

This product is classified as acutely toxic to aquatic life.

Persistence and Degradability: Some components are not readily biodegradable. Aliphatic cyclic amine is expected to be readily biodegradable.

Bioaccumulative Potential: No data available. Aliphatic cyclic amine is not expected to bioaccumulate.

Mobility in Soil: No data available

Other Adverse Effects: None known

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. Do not puncture or incinerate containers, even empty. Dispose in accordance with federal, state, and local regulations.

14 – Transportation Information

DOT Surface Shipping Description: UN1950, Aerosols, 2.1 Ltd. Qty
(Note: Shipping Papers are not required for Limited Quantities unless transported by air or vessel – each package must be marked with the Limited Quantity Mark)
IMDG Shipping Description: UN1950, Aerosols, 2.1, LTD QTY
ICAO Shipping Description: UN1950, Aerosols, flammable, 2.1

NOTE: WD-40 Company does not test aerosol cans to assure that they meet the pressure and other requirements for transport by air. We do not recommend that our aerosol products be transported by air.

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 require a California Proposition 65 warning.

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

16 – Other Information:

HMIS Hazard Rating:

Health – 2 (moderate hazard), Fire Hazard – 4 (severe hazard), Physical Hazard – 0 (minimal hazard)

Revision Date: July 19, 2018

Supersedes: August 19, 2016

Revision Summary: Address and telephone number update in Section 1, exposure limits Section 8.

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