



Safety Data Sheet

1 - Identification

Trade Name: WD-40 Specialist® Non-Flammable Contact Cleaner	Manufacturer: WD-40 Company Address: 9715 Businesspark Avenue San Diego, California, USA 92131
Chemical Name: Organic Mixture	Telephone:
Product Use: Cleaner, Lubricant	Emergency: 1-888-324-7596
Restrictions on Use: None identified	Information: 1-888-324-7596
SDS Date Of Preparation: August 24, 2020	Chemical Spills: 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls)

2 – Hazards Identification

GHS Classification:

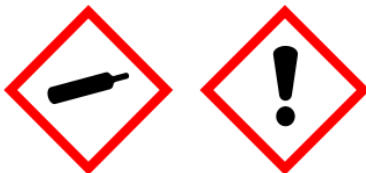
Gas Under Pressure: Compressed Gas

Skin Irritant Category 2A

Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)

This product is a consumer product and is labeled in accordance with local regulations for consumer chemicals. The actual container label may not include the label elements below. The labeling below applies to industrial/professional products.

Label Elements:



DANGER!

H280- Contains gas under pressure; may explode if heated.

H319- Causes serious eye irritation.

H336- May cause drowsiness or dizziness.

Prevention

P210- Keep away from heat, sparks, open flames, hot surfaces. – No smoking.

H251- Do not pierce or burn, even after use.

P261- Avoid breathing vapors or mists.

P264- Wash thoroughly with soap and water after handling.

P271- Use only outdoors or in a well-ventilated area.

P280- Wear eye protection.

Response

P305+351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313- If eye irritation persists: Get medical attention.

P304+P340- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P312- Call a POISON CENTER or physician if you feel unwell.

Storage

P405- Store locked up.

P410+P412+P403- Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

Disposal

P501- Dispose of contents and container in accordance with local and national regulations.

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	GHS Classification
Trans-1-Chloro-3,3,3-trifluoropropene	102687-65-0	60-80%	Gas Under Pressure: Liquified Gas Simple Asphyxiant
Trans -1, 2 Dichloroethylene	156-60-5	20-40%	Flammable Liquid, Category 2 Eye Irritant Category 2A Specific Target Organ Toxicity Single Exposure Category 3 (cns)
Butyl-3-hydroxybutyrate	53605-94-0	1-10%	Eye Irritant Category 2A
Carbon Dioxide	124-38-9	1-5%	Gas Under Pressure: Compressed Gas Simple Asphyxiant

Note: The exact percentages are a trade secret.

4 – First Aid Measures

Ingestion (Swallowed): Do not induce vomiting. Call physician or poison control center for advice.

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: Causes eye irritation. Inhalation may cause coughing, headache and dizziness. Skin contact may cause drying of the skin.

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

5 – Fire Fighting Measures

Suitable (and unsuitable) Extinguishing Media: Use extinguishing media suitable for the surrounding fire. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: Contents under pressure. Keep away from heat and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Combustion will produce oxides of carbon, smoke fumes unburned hydrocarbons and small amounts of hydrogen fluoride, and hydrogen chloride.

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). 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. Unplug electrical tools, motors and appliances before bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to rupture violently. To avoid serious 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 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 1 Aerosol. Store away from oxidizers.

8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Trans-1-Chloro-3,3,3-trifluoropropene	800 ppm TWA OARS WEEL
Trans -1, 2 Dichloroethylene	200 ppm TWA OSHA PEL, 200 ppm ACGIH TLV
Butyl-3-hydroxybutyrate	None Established
Carbon Dioxide	5000 ppm TWA (ACGIH), 30,000 ppm STEL (ACGIH)

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.

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: None normally required.

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 local regulations and good Industrial Hygiene practice.

Work/Hygiene Practices: Wash with soap and water after handling.

9 – Physical and Chemical Properties

Appearance:	Clear, colorless liquid	Flammable Limits:	Not determined
Odor:	Slight odor	Vapor Pressure:	Not determined
Odor Threshold:	Not established	Vapor Density:	Greater than 1 (air=1)
pH:	Not Applicable	Relative Density:	Not determined
Melting/Freezing Point	Not established	Solubilities:	Slightly soluble in water
Boiling Point/Range:	19 – 217.7°C (66 - 423.9°F)	Partition Coefficient; n-octanol/water:	Not established
Flash Point:	Not established	Autoignition Temperature:	Not established
Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas)	Non-flammable Aerosol	Viscosity:	Not established
VOC:	Not established	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, finely divided magnesium and aluminum, strong bases.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide, smoke fumes, unburned hydrocarbons, hydrogen chloride, hydrogen fluoride.

11 – Toxicological Information

Symptoms of Overexposure:

Inhalation: Mist or vapor can mildly irritate the throat and lungs. 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 defatting and possible dermatitis.

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

Ingestion: This product has low oral toxicity. If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, dizziness, drowsiness and other central nervous system effects.

Chronic Effects: Prolonged or repeated skin contact may defat the skin resulting in irritation and dermatitis.

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 5,000 mg/kg 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: Trans-1-Chloro-3,3,3-trifluoropropene: 96 hr LC50 Oncorhynchus mykiss 38 mg/L; 48 hr EC50 Daphnia magna 82 mg/L; 72 hr ErC50 pseudokirchneriella subcapita >215 mg/L

Trans -1, 2 Dichloroethylene: 48 hr EC50 daphnia magna 220 mg/L

Butyl-3-hydroxybutyrate: 96 hr LC50 Oncorhynchus mykiss >100 mg/L; 48 hr EC50 Daphnia magna >100 mg/L; algae EC50 >100 mg/L

Persistence and Degradability: Some components are not readily biodegradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available

Other Adverse Effects: None known

13 - Disposal Considerations

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, 2.2 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, 2.2, LTD QTY

ICAO Shipping Description: UN1950, Aerosols, flammable, 2.2

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

CERCLA 103 Reportable Quantity: Releases of this product in excess of the reportable quantity of 2500 pounds based on the RQ for Trans -1, 2 Dichloroethylene of 1000 lbs present at less than 40% must be reported to the National Response Center. 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: Refer to Section 2 for the OSHA Hazard Classification.

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.

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 – 2 (moderate hazard), Physical Hazard – 0 (minimal hazard)

Revision Date: August 25, 2020

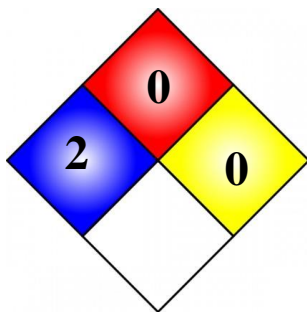
Supersedes: New SDS

Revision Summary: New SDS.

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Regulatory Affairs Department



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