



Safety Data Sheet

1 - Chemical Product and Company Identification

Manufacturer: WD-40 Company Address: 1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California, USA 92138 -0607 Telephone: Emergency only: 1-888-324-7596 (PROSAR) Information: 1-888-324-7596 Chemical Spills: 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls)	Chemical Name: Organic Mixture Trade Name: 3InOne Pro Multi-Purpose Lubricant Product Use: Cleaner, Lubricant MSDS Date Of Preparation: 8/24/09
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2 – Hazards Identification

GHS Classification:

Flammable Aerosol, Category 1

Aspiration Toxicity, Category 1

Aquatic Toxicity, Chronic, Category 3



DANGER! Extremely flammable aerosol. May be fatal if swallowed and enters airways. Harmful to aquatic life with long lasting effects. 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. Protect from sunlight. Do not expose to temperatures exceeding 50°C (122°F). Avoid release to the environment. If swallowed: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. Dispose of containers in accordance with national regulations.

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	Hazard Classification per GHS
Aliphatic Hydrocarbon	64742-47-8	50-70	Flammable Liquid, Category 3 Aspiration Toxicity Category 1
Aliphatic Hydrocarbon	64741-66-8	<5	Flammable Liquid, Category 2 Aspiration Toxicity Category 1 Aquatic Toxicity, Chronic, Category 2
Propane/Butane Propellant	74-98-6 / 106-97-8	20-40	Flammable Gas, Category 1
Non-Hazardous Ingredients	Mixture	<10	Not Hazardous

4 – First Aid Measures

Ingestion (Swallowed): Aspiration Hazard. DO NOT induce vomiting. Call physician or poison center immediately.

Eye Contact: Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more 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.

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: 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.

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 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.

Storage: Store in a cool, well-ventilated area, away from incompatible materials. Do not store above 50°C (122°F) or in direct sunlight. U.F.C (NFPA 30B) Level 3 Aerosol.

8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Aliphatic Hydrocarbon	100 ppm TWA (ACGIH) 1200 mg/m ³ TWA (manufacturer recommended) No Chinese exposure limit
Propane	1000 ppm TWA (ACGIH) No Chinese exposure limit
Butane	1000 ppm TWA (ACGIH) No Chinese exposure limit
Non-Hazardous Ingredients	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. 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

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 an 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

Boiling Point:	115°C (initial)	Specific Gravity:	0.7-0.85
Solubility in Water:	Insoluble	pH:	Not Applicable
Vapor Pressure:	Not available	Vapor Density:	Greater than 1
Percent Volatile:	Not available	VOC:	Not available
Coefficient of Water/Oil Distribution:	Not Determined	Appearance/Odor	Yellow liquid/mild odor
Flash Point:	>7°C (concentrate) estimated	Flammable Limits: (Solvent Portion)	LEL: 0.6% UEL: 10%

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.

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.

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

Ingestion: This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.

Chronic Effects: None expected.

Medical Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory conditions may be aggravated by exposure.

Suspected Cancer Agent:

Yes No ☒ X

The oral toxicity of this product is estimated to be greater than 5,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. It is an aspiration hazard.

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. Classified as harmful to the aquatic environment with long lasting effects. Mineral oils biodegrade slowly and should not be released to the environment.

13 – Disposal Considerations

If this product becomes a waste, it would be expected to be considered a flammable hazardous waste. 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 national and local regulations.

14 – Transportation Information

IMDG Shipping Description: UN1950, Aerosols, 2.1, LTD QTY
China Shipping Description: UN1950, Aerosols, 2.1

15 – Regulatory Information

The following laws and regulations have made some stipulations on use, storage, transportation, loading, classification and label:

Law of the PRC on Safe Production

Law of the PRC on Prevention and Control of Occupational Diseases

Environmental Protection Law of the PRC

Safety Regulations for Dangerous Goods of the PRC

Safety Production License Regulations of the PRC

GB 13690-92 Classification and labels of dangerous chemical substances commonly used

List of hazardous chemicals

16 – Other Information:

None

SIGNATURE: 

TITLE: Director of Global Quality Assurance

REVISION DATE: August 2009

SUPERSEDES: NEW