



MATERIAL SAFETY DATA SHEET



I. PRODUCT IDENTIFICATION

Manufacturer:	WD-40 Company	Telephone:	
		Emergency only:	1-888-324-7596 (PROZAR)
Address:	1061 Cudahy Place (92110)	Information:	619-275-1400
	P.O. Box 80607	Chemical Name:	Petroleum Mixture
	San Diego, California	Trade Name:	3-IN-ONE Professional Dry Lube
	92138-0607		

II. HAZARDOUS INGREDIENTS

Chemical Name	CAS Number	%	Exposure Limit ACGIH/OSHA
Heptane	142-82-5	70-80	400 ppm (TWA)
Hydrocarbon Propellant	74-98-6	12-18	1000 ppm (PEL)
Isopar E Fluid	64741-66-8	3-5	NDA
PTFE / Oil	8002-059	1-2	5mg/m ³ (TWA) mist

III. PHYSICAL DATA

Boiling Point	NA	Evaporation Rate (Butyl Acetate=1):	NDA
Vapor Density (air = 1):	Greater than 1	Vapor Pressure:	40 - 50 PSI @ 70°F
Solubility in Water:	insoluble	Appearance:	Clear
Specific Gravity (H ₂ O)	0.869 @ 70°F	Odor:	Pleasant
Percent Volatile (volume):	97.0%		

IV. FIRE AND EXPLOSION

Flash Point:	-20°F (Tag Closed Cup)
Flammable Limits:	(Lel) 1.8% (Uel) 9.5% (Propellant Portion)
Extinguishing Media:	CO ₂ dry chemical, foam
Special Fire Fighting Procedures:	EXTREMELY FLAMMABLE, UFC, level 3 Aerosol
Unusual Fire and Explosion Hazards:	Contents under pressure. Keep away from ignition source and open flame.

V. HEALTH HAZARD / ROUTE(S) OF ENTRY

Threshold Limit Value:	Heptane lowest TLV (ACGIH 400 ppm)
Symptoms of Overexposure:	
Inhalation (Breathing):	May cause anesthesia, headache, dizziness, nausea and upper respiratory irritation.
Skin contact:	May cause drying of skin and/or irritation.
Eye contact:	May cause irritation, tearing and redness.
Ingestion (Swallowed):	May cause irritation, nausea, vomiting and diarrhea.
First Aid Emergency Procedures:	
Ingestion (Swallowed):	Do not induce vomiting, seek medical attention.
Eye Contact:	Immediately flush eyes with large amounts of water for 15 minutes.
Skin Contact:	Wash with soap and water.
Inhalation (Breathing):	Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen. Pre-existing medical conditions such as eye, skin and respiratory disorders may be aggravated by exposure.
DANGER!	
Aspiration Hazard:	If swallowed, can enter lungs and may cause chemical pneumonitis. Do not induce vomiting. Call physician immediately.
Suspected Cancer Agent	The components in this mixture have been found to be noncarcinogenic by NTP, IARC and OSHA.
Yes ___ No <u>X</u>	

VI. REACTIVITY DATA

Stability:	Stable <u>X</u>	Unstable: <u> </u>
Conditions to avoid:	Heat and open flame	
Incompatibility:	Strong oxidizing agents	
Hazardous decomposition products:	Carbon monoxide and/or carbon dioxide	
Hazardous polymerization:	May occur <u> </u>	Will not occur <u>X</u>

VII. SPILL OR LEAK PROCEDURES

Spill Response Procedures

Spill unlikely from aerosol cans. Leaking cans should be placed in plastic bag or open pail until pressure has dissipated.

Waste Disposal Method

Empty aerosol cans should not be punctured or incinerated; bury in land fill. Liquid should be incinerated or buried in landfill. Dispose of in accordance with local, state and federal regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation:	Sufficient to keep solvent vapor less than TLV.
Respiratory Protection:	Advised when concentrations exceed TLV.
Protective Gloves:	Advised to prevent possible skin irritation.
Eye Protection:	Approved eye protections to safeguard against potential eye contact, irritation or injury.
Other Protective Equipment:	None required.

IX. SPECIAL PRECAUTIONS

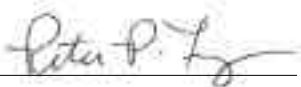
Keep from sources of ignition. Avoid excessive inhalation of spray particles, do not take internally. Do not puncture, incinerate or store container above 120°F. Exposure to heat may cause bursting. Keep can away from electrical current or battery terminals. Electrical arcing can cause burn-through (puncture) which may result in flash fire, causing serious injury. Keep from children.

IX. REGULATORY INFORMATION

All ingredients for this product are listed on the TSCA inventory.

SARA Title III chemicals:	None
California Prop 65 chemicals:	None
CERCLA reportable quantity:	None
RCRA hazardous waste no:	D001

SIGNATURE: Peter Fougner



TITLE: Director of Global Quality Assurance

REVISION DATE: December, 2004

SUPERSEDES: October, 2004

NA: Not applicable NDA: No data available

< = Less than > = More than

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