



# MATERIAL SAFETY DATA SHEET

## I. PRODUCT IDENTIFICATION

<b>Manufacturer:</b> WD-40 Company <b>Address:</b> 1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California 92138-0607	<b>Telephone:</b> <b>Emergency Only:</b> 1 (800) 424-9300 (CHEMTREC) <b>Information:</b> (619) 275-1400 <b>Chemical Name:</b> Organic Mixture <b>Trade Name:</b> WD-40 Aerosol <b>Item No.:</b> 10002, 10005, 10008, 10011, 10013, 10016, 10023
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## II. HAZARDOUS INGREDIENTS

Chemical Name	CAS Number	%	Exposure Limit ACGIH/OSHA
Aliphatic Petroleum Distillates	8052-41-3	60-70	100 ppm PEL
Petroleum Base Oil	64742-65-0	15-25	5 mg/M <sup>3</sup> TWA (mist)
Carbon Dioxide	124-38-9	2-3	5000 ppm PEL
Non-hazardous Ingredients		<10	

## III. PHYSICAL DATA

<b>Boiling Point:</b>	NA	<b>Evaporation Rate:</b>	Not determined
<b>Vapor Density (air = 1):</b>	Greater than 1	<b>Vapor Pressure:</b>	110 ±5 PSI @ 70°F
<b>Solubility in Water:</b>	Insoluble	<b>Appearance:</b>	Light amber
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	0.816 @ 70°F	<b>Odor:</b>	Characteristic odor
<b>Percent Volatile (volume):</b>	70%		

## IV. FIRE AND EXPLOSION

<b>Flash Point:</b>	Tag Open Cup 110°F (minimum)
<b>Flammable Limits:</b>	(Solvent Portion) [Lel] 1.0% [Uel] 6.0%
<b>Extinguishing Media:</b>	CO <sub>2</sub> , Dry Chemical, Foam
<b>Special Fire Fighting Procedures:</b>	Contents Under Pressure
<b>Unusual Fire and Explosion Hazards:</b>	FLAMMABLE – U.F.C. level 3 AEROSOL

## V. HEALTH HAZARD / ROUTE(S) OF ENTRY

<b>Threshold Limit Value</b>	
Aliphatic Petroleum Distillates (Stoddard solvent) lowest TLV (ACGIH 100 ppm.)	
<b>Symptoms of Overexposure</b>	
<b>Inhalation (Breathing):</b>	May cause anesthesia, headache, dizziness, nausea and upper respiratory irritation.
<b>Skin Contact:</b>	May cause drying of skin and/or irritation.
<b>Eye Contact:</b>	May cause irritation, tearing and redness.
<b>Ingestion (Swallowed):</b>	May cause irritation, nausea, vomiting and diarrhea.
<b>First Aid Emergency Procedures</b>	
<b>Ingestion (Swallowed):</b>	Do not induce vomiting, seek medical attention.
<b>Eye Contact:</b>	Immediately flush eyes with large amounts of water for 15 minutes.
<b>Skin Contact:</b>	Wash with soap and water.
<b>Inhalation (Breathing):</b>	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.	
<b>DANGER!</b>	
<b>Aspiration Hazard:</b>	If swallowed, can enter lungs and may cause chemical pneumonitis. Do not induce vomiting. Call Physician immediately.
<b>Suspected Cancer Agent</b>	
Yes _____ No <u>X</u>	The components in this mixture have been found to be noncarcinogenic by NTP, IARC and OSHA.

## VI. REACTIVITY DATA

Stability:	Stable <u>  X  </u>	Unstable <u>      </u>
Conditions to avoid:	NA	
Incompatibility:	Strong oxidizing materials	
Hazardous decomposition products:	Thermal decomposition may yield 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 land fill. 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 protection 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.

## X. TRANSPORTATION DATA (49 CFR 172.101)

### Domestic Surface

Description:	Consumer Commodity
Hazard Class:	ORM-D
ID No.:	NONE
Label Required:	Consumer Commodity (ORM-D)

### Domestic Air

Description:	Consumer Commodity (Non-Flammable Gas – Aerosol)
Hazard Class:	ORM-D
ID No.:	NONE
Label Required:	Consumer Commodity (ORM-D-AIR)

## XI. 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 (Ignitable)

SIGNATURE: R. Miles



TITLE: Technical Director

REVISION DATE: March 1998

SUPERSEDES: June 1996

NA = Not applicable

NDA = No data available

< = Less than

> = More than

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