

MATERIAL SAFETY DATA SHEET

Company Name: WD 40 COMPANY
Address: PO BOX 80607-0607
City / State / Zip: SAN DIEGO / CA / 92138
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US-CHEMTREC Phone(II): (703)527-3887
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Vendor Update: 3/1/1998
Date Prepared: 8/28/2002
MSDS Number: WD40 ; WD4018 ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: WD-40 AEROSOL
HMIS Ratings:
NFPA Ratings:

Health: Moderate(2)
 Flammability: Moderate(2)
 Instability/Reactivity: Minimal(0)

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
ALIPHATIC PETROLEUM DISTILLATES	8052-41-3	60-70		100 PPM PEL			
Notes							
PETROLEUM BASE OIL	64742-65-0	15-25		5 MG/M3 TWA (MIST)			
Notes							
NON-HAZARDOUS INGREDIENTS							
Notes							
CARBON DIOXIDE	124-38-9	2-3		5000 PPM PEL			
Notes							

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: MAY CAUSE IRRITATION, TEARING AND REDNESS.
Skin: MAY CAUSE DRYING OF SKIN AND/OR IRRITATION.
Ingestion: DANGER! IF SWALLOWED, CAN ENTER LUNGS AND MAY CAUSE CHEMICAL PNEUMONITIS. MAY CAUSE IRRITATION, NAUSEA, VOMITING AND DIARRHEA. DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY!
Inhalation: MAY CAUSE ANESTHESIA, HEADACHE, DIZZINESS, NAUSEA AND UPPER RESPIRATORY IRRITATION.
Signs and Symptoms of Exposure:
Other: THRESHOLD LIMIT VALUE: ALIPHATIC PETROLEUM DISTILLATES (STODDARD SOLVENT) LOWEST TLV (ACGIH 100 PPM). DANGER! ASPIRATION HAZARD: IF SWALLOWED, CAN ENTER LUNGS AND MAY CAUSE CHEMICAL PNEUMONITIS. DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY!THE COMPONENTS IN THIS MIXTURE HAVE BEEN FOUND TO BE NONCARCINOGENIC BY NTP, IARC AND OSHA.

IV. FIRST AID MEASURES

Eyes:	IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.
Skin:	WASH WITH SOAP AND WATER.
Ingestion:	DO NOT INDUCE VOMITING, SEEK MEDICAL ATTENTION IMMEDIATELY.
Inhalation:	REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

V. FIRE FIGHTING MEASURES

Flash Point:	110°F (MINIMUM)
Test Method:	TAG OPEN CUP
Lower Flammability Limit:	(SOLVENT PORTION) 1.0%
Upper Flammability Limit:	(SOLVENT PORTION) 6.0%
Extinguishing Agents:	CO ₂ , DRY CHEMICAL, FOAM
Unusual Fire or Explosion Hazards:	FLAMMABLE – U.F.C. LEVEL 3 AEROSOL
Fire Fighting Procedures:	CONTENTS UNDER PRESSURE

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup:	SPILL UNLIKELY FROM AEROSOL CANS. LEAKING CANS SHOULD BE PLACED IN PLASTIC BAG OR OPEN PAIL UNTIL PRESSURE HAS DISSIPATED.
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VII. HANDLING AND STORAGE

Other:	KEEP FROM SOURCES OF IGNITION. SUFFICIENT TO KEEP SOLVENT VAPOR LESS THAN TLV. 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.
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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:	APPROVED EYE PROTECTION TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY.
Skin:	PROTECTIVE GLOVES: ADVISED TO PREVENT POSSIBLE SKIN IRRITATION.
Respiratory:	ADVISED WHEN CONCENTRATIONS EXCEED TLV.
Engineering:	VENTILATION: SUFFICIENT TO KEEP SOLVENT VAPOR LESS THAN TLV.
Other:	OTHER PROTECTIVE EQUIPMENT: NONE REQUIRED. SPECIAL PRECAUTIONS: KEEP FROM OPEN FLAME, DO NOT TAKE INTERNALLY. AVOID EXCESSIVE INHALATION OF SPRAY PARTICLES. KEEP FROM CHILDREN.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	LIGHT AMBER
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Boiling Point: N/A
Solubility in Water: INSOLUBLE
Specific Gravity: 0.816 @ 70°F
Vapor Pressure: 110 ±5 PSI @ 70°F
Vapor Density: GREATER THAN 1
Volatile Content: PERCENT VOLATILE (VOLUME):70%.

Other: EVAPORATION RATE: N/D

X. STABILITY AND REACTIVITY

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR.

Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE.

Incompatible Products: STRONG OXIDIZING MATERIALS.

Conditions To Avoid: N/A

XI. TOXICOLOGICAL INFORMATION

XII. ECOLOGICAL INFORMATION

XIII. DISPOSAL CONSIDERATIONS

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.

RCRA Class: D001 (IGNITABLE)

XIV. TRANSPORT INFORMATION

D.O.T. Shipping Name: CONSUMER COMMODITY

D.O.T. Hazard Class: (DOMESTIC SURFACE): ORM-D

Other: DOMESTIC SURFACE: 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).

XV. REGULATORY INFORMATION

TSCA Status: ALL INGREDIENTS FOR THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

EPA Sara Title III Chemical NONE

Listings:

California: NONE

XVI. OTHER INFORMATION

WARRANTY INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.