



MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Manufacturer: WD-40 Company	Telephone:
Address: 1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California 92138-0607	Emergency Only: 1 (800) 424-9300 (CHEMTREC) Information: (619) 275-1400
	Chemical Family: Petroleum Hydrocarbon Mixture
	Trade Name: T•A•L 5

II. HAZARDOUS INGREDIENTS

Chemical Name	CAS Number	%	Exposure Limit ACGIH/OSHA
Aliphatic Hydrocarbon Distillates	64742-47-8	50-55	300 ppm TWA
Petroleum Oil	8002-05-9	20-25	5 mg/M ³ TWA (mist)
Non-hazardous Ingredients		18-22	
Carbon Dioxide (Aerosol Only)	124-38-9	3	5000 ppm PEL

III. PHYSICAL DATA

Boiling Point:	430°F	Vapor Pressure (mmHg):	.09 @ 20°C
Vapor Density (air = 1):	Greater than 1	Appearance:	Light amber
Solubility in Water:	Insoluble	Odor:	Pleasant odor
Specific Gravity (H ₂ O = 1):	0.8396 @ 20°C	VOC Content:	None
Percent Volatile (weight):	52%	Viscosity:	40°C 6.47 cst 100°C 2.07 cst
Evaporation Rate (Butyl Acetate = 1):	Less than 1		

IV. FIRE AND EXPLOSION

Flash Point (method used):	216°F (TCC)
Flammable Limits:	[Lel] 2.6% [Uel] 9.4%
Extinguishing Media:	CO ₂ , Dry Chemical, Foam
Special Fire Fighting Procedures:	Treat as combustible petroleum distillates.
Unusual Fire and Explosion Hazards:	Level 3 aerosol – flammable, contents under pressure; if heated may cause aerosols to burst.

V. HEALTH HAZARD / ROUTE(S) OF ENTRY

Threshold Limit Value Aliphatic Hydrocarbon Distillates	Lowest TLV (ACGIH 300 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 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 <input checked="" type="checkbox"/>	Unstable <input type="checkbox"/>
Conditions to avoid:	None	
Incompatibility:	Strong oxidizing materials	
Hazardous decomposition products:	Thermal decomposition may yield carbon monoxide and/or carbon dioxide.	
Hazardous polymerization:	May occur <input type="checkbox"/>	Will not occur <input checked="" type="checkbox"/>

VII. SPILL OR LEAK PROCEDURES

Spill Response Procedures

Liquid: Prevent product from entering sewers and drains. Recover using absorbent material. Contain for disposal.
Aerosol: 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. 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 Aerosol

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

Domestic Surface Bulk Liquid

Description:	Non-Hazardous Petroleum Oil
Hazard Class:	N/A
ID No.:	N/A
Label Required:	NONE

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.:	None

SIGNATURE: R. Miles R. Miles

TITLE: Technical Director

REVISION DATE: March 1997

SUPERSEDES: September 1996

NA = Not applicable

NDA = No data available

< = Less than

> = More than

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MSDS 5-A/B