



# MATERIAL SAFETY DATA SHEET



## I. PRODUCT IDENTIFICATION

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

## II. HAZARDOUS INGREDIENTS

Chemical Name	CAS Number	%	Exposure Limit ACGIH/OSHA
Aliphatic Petroleum Distillates	8052-41-3	50-60	100 ppm (PEL)
Hydrocarbon Propellant	68-476-86-8	40-50	600 ppm (TLV)
Petroleum Base Oil	64742-65-0	10-15	5mg/m <sup>3</sup> (TWA) mist

## III. PHYSICAL DATA

Boiling Point	NA	Evaporation Rate (Butyl Acetate=1):	Less than 1
Vapor Density (air = 1):	Greater than 1	Vapor Pressure:	70 +/- 10 PSI @70°F
Solubility in Water:	insoluble	Appearance:	light amber
Specific Gravity (H <sub>2</sub> O)	0.785 @ 70° F	Odor:	pleasant odor
Percent Volatile (volume):	90.0%		

## IV. FIRE AND EXPLOSION

Flash Point:	-20° F (Tag Closed CUP)
Flammable Limits:	(Lel) 1.0% (Uel) 6.0% (solvent portion)
Extinguishing Media:	CO <sub>2</sub> , 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 fire.

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

Threshold Limit Value:	Aliphatic Petroleum Distillates lowest TLV (ACGIH 100 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_X_	

## VI. REACTIVITY DATA

Stability:	Stable_X_	Unstable:_____
Conditions to avoid:	Heat and open flame	
Incompatibility:	Strong oxidizing agents	
Hazardous decomposition products:	Carbon monoxide and/or carbon dioxide	
Hazardous polymerization:	May occur_____	Will not occur__X__

## 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 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.

## X. 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: \_\_\_\_\_ February, 2004 \_\_\_\_\_

NA: Not applicable NDA: No data available

ˆ = Less than ˆ = More than

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