



**MATERIAL SAFETY DATA SHEET**     **LIQUID**     **AEROSOL**

SECTION I: PRODUCT AND PREPARATION INFORMATION							
MARKETED BY:	WD-40 PRODUCTS (CANADA) LTD.	TELEPHONE:		TRADE NAME AND SYNONYMS	WD-40 BULK LIQUID	CODE NUMBER	01010, 01118
ADDRESS	P.O. BOX 220 TORONTO, ONTARIO M9C 4V3	EMERGENCY ONLY (CHEMTREC):	1-800-424-9300	PRODUCT USE	LUBRICANT/PENETRANT	PREPARED BY:	TECHNICAL GROUP, (416) 622-9881
		INFORMATION:	(416) 622-9881	CHEMICAL NAMES AND SYNONYMS	ORGANIC MIXTURE	DATE OF PREPARATION:	MAY 1, 2002

SECTION II: HAZARDOUS INGREDIENTS											
HAZARDOUS INGREDIENTS	CAS NUMBER	PIN (UN)	PERCENT BY WT.	NATURE OF HEALTH HAZARD AND ROUTE OF ENTRY	TYPE OF HAZARD		EXPOSURE LIMITS			LD 50 (ORAL SP.)	LC 50 (INH. SP.)
					CHRONIC	ACUTE	PPM	mg/m <sup>3</sup>	SOURCE		
Stoddard Solvent (Aliphatic Petroleum Distillates)  BALANCE OF INGREDIENTS ARE NOT CONSIDERED HAZARDOUS, ACCORDING TO WHMIS.	8052-41-3	1268	60-100	May cause eye, skin irritation. Low toxicity via inhalation.		X	100		ACGIH	6,400 mg/kg Rat	1,400 ppm (4 hr.) Rat

SECTION III: SHIPPING INFORMATION				SHIPPING NAME – PETROLEUM DISTILLATES N.O.S.			
NFPA CLASS – CLASS 2				WHMIS – B3			
TDG CLASS – CLASS 3 – 205 LITRE DRUM, NOT REGULATED FOR 3.785 LITRES				PACKAGE GROUP – III		UN NUMBER – 1993 FOR 205 LITRE DRUM	

SECTION IV: PHYSICAL DATA			
PHYSICAL STATE	Liquid	SPECIFIC GRAVITY (H2O=1)	0.800 @ 70°F
BOILING POINT (C)	149 Minimum	PERCENT VOLATILE BY VOLUME (%)	70
VAPOUR PRESSURE (psig @ 20°C)	7 mmHg 38°C	EVAPORATION RATE (B.A. = 1)	0.10
VAPOUR DENSITY (AIR = 1)	> 1	pH	Not Appl.
SOLUBILITY IN WATER (% BY WT.)	0	FREEZING POINT (°C)	< 0
APPEARANCE AND ODOUR	Cloudy light amber, Characteristic Odour	ODOUR THRESHOLD	100 ppm

SECTION V: FIRE AND EXPLOSION HAZARDS			
FLASH POINT (METHOD USED) – CONCENTRATE 43°C		FLAMMABLE LIMITS IN AIR (% BY VOL.)	
TAG OPEN CUP, MINIMUM <input type="checkbox"/> TGC <input type="checkbox"/> ESTIMATED		(PROPELLANT PORTION)	
AUTO IGNITION TEMPERATURE <input type="checkbox"/> EXPERIMENTAL <input checked="" type="checkbox"/> ESTIMATED 250°C		EXTINGUISHING MEDIA <input checked="" type="checkbox"/> Dry chemical, CO <sub>2</sub> , Foam <input type="checkbox"/> Other:	
HAZARDOUS COMBUSTION PRODUCTS <input type="checkbox"/> POSSIBLE PHOSGENE OVER 500°C <input checked="" type="checkbox"/> HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE (CO) WHERE COMBUSTION IS INCOMPLETE. <input type="checkbox"/> OTHER:		LOWER	UPPER
SPECIAL FIRE FIGHTING PROCEDURES <input type="checkbox"/> Water from fogging nozzles may be used to cool closed containers to prevent pressure build-up if exposed to extreme temperatures. <input type="checkbox"/> Other:		1	6
UNUSUAL FIRE AND EXPLOSION HAZARDS <input type="checkbox"/> Containers may explode if exposed to temperatures greater than 50°C. <input type="checkbox"/> Sensitive to shock <input type="checkbox"/> Sensitive to static discharge			
Not Applicable			

**SECTION VI: (CONT'D) LIQUID FLAMMABILITY**

Flammability of an aerosol is determined by flame projection. The flame projection of this product is classified as: **Not Applicable**

- zero cm (Non-Flammable)       0-15 cm (Caution)       15-45 cm (Warning)       Over 45 cm (Danger)

FLASHBACK  
**Not Applicable**  
 Yes    No

**SECTION VII: HEALTH HAZARD DATA – TOXICOLOGICAL PROPERTIES AND FIRST AID MEASURES**

THRESHOLD LIMIT VALUE: See section ii  
(Time weighted average, unless otherwise specified)

EFFECTS OF OVEREXPOSURE     ACUTE      Dizziness, nausea. Irritation to skin and eyes.  
 CHRONIC      Solvents may cause defatting dermatitis.

TOXICOLOGICAL SYNERGISTIC PRODUCTS:  
**None Known**

SENSITIZATION TO PRODUCT  
 Skin    Respiratory    Allergen       Presently Unknown

IRRITANCY OF PRODUCT  
 Non-Irritant       Irritant:       Presently Unknown

REPRODUCTIVE EFFECTS       TERATOGENICITY       MUTAGENICITY  
**None Known**

CARCINOGENICITY OF PRODUCT  
 Non-Carcinogenic       Carcinogenic       Presently Unknown

EMERGENCY AND FIRST AID PROCEDURES  
 Other:  
Remove patient to fresh air. Flush exposed skin and eyes with copious amounts of water.  
If ingested do not induce vomiting. Call a physician immediately.

**SECTION VIII: REACTIVITY DATA**

STABILITY      HAZARDOUS POLYMERIZATION      INCOMPATIBILITY (MATERIALS TO AVOID)  
 Stable       Will Not Occur       Strong Acids       Strong Alkalis       Strong Oxidizers       Organic Materials       Water       Other  
 Unstable       May Occur      Specifics:

CONDITIONS TO AVOID       Storage in hot, unventilated areas.      HAZARDOUS DECOMPOSITION PRODUCTS       Possible phosgene over 500°C.  
 Other:       Hydrocarbon fumes and smoke. Carbon Monoxide (CO) where combustion is incomplete.  
 Other:

**SECTION IX: SPILL OR LEAK PROCEDURES**

COEFFICIENT OF H<sub>2</sub>O/OIL DISTRIBUTION      WASTE DISPOSAL METHOD  
**Not Available**       Dispose of in accordance with local, provincial and federal regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
 Remove all sources of ignition. Use inert absorbent material, and non-sparking tools. Avoid breathing fumes. Ventilate area. Prevent from entering a watercourse.

**SECTION X: SPECIAL PROTECTION INFORMATION**

PROTECTIVE GLOVES       Required      EYE PROTECTION (SAFETY GLASSES)       Required      OTHER PROTECTIVE EQUIPMENT       Required  
 Not normally required       Not normally required       Not normally required

RESPIRATION PROTECTION      VENTILATION  
 If used indoors on a continuous basis, use of a cartridge type respirator is recommended.       Local  
 MECHANICAL If used indoors on a continuous basis.

**SECTION XI: SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING      OTHER PRECAUTIONS  
Store in a cool, well ventilated area not to exceed 50°C.      **X**      Do not puncture or incinerate containers, even when empty.      **X**