

**MATERIAL SAFETY DATA SHEET**  
 (Complies with OSHA Communication Standard 29CFR 1910.1200 Dept. of Labor.)

**CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Distributed by:



**1st Ayd Corporation**  
 1325 Gateway Dr  
 Elgin, IL 60123

Date Prepared: July 1, 1999  
 Emergency Response Number:  
 1-800-255-3924

TM793 Cutting Oil

#16-A Page 1 of 2

**COMPOSITION/INFORMATION ON INGREDIENTS**

PRODUCT CAS REG NO.	COMPOSITION/ WGT. %	ACGIH TLV		OSHA PEL		UNITS
		TWA	STEL	TWA	STEL	
Naphthenic Distillate 64742-52-5	60-70	5 (oil mist)	NE	NE	NE	mg/m3
Propane\isobutane\n-Butane 74-98-6	10-20	1000	Asphyxiant	1000	Asphyxiant	ppm
Petroleum Oil 68815-10-1	1-10	5 (oil mist)	NE	NE	NE	mg/m3

Additional Component Information:  
 NA

**HAZARDS IDENTIFICATION**

**HEALTH HAZARD DATA (ACUTE AND CHRONIC)**

May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long term exposure (years) to high concentrations of vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system. Aspiration hazard if swallowed. Eye and skin irritant. May irritate respiratory tract. Deliberately concentrating and inhaling the vapor of the contents may be harmful or fatal.

OTHER:

OTHER:

CARCINOGENICITY:

NA

FIRST AID

Give oxygen. Do not induce vomiting. Wash eyes and skin with water for 15 minutes. Get medical help.

ROUTES OF ENTRY

Ingestion, Inhalation, Skin

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Inhalation - Difficulty in breathing. Skin - redness. Ingestion - vomiting.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Heart Disease, Respiratory Disorders

**PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point	-40F to unknown
Vapor Pressure at 70F	40
VAPOR DENSITY (AIR=1)	4.0
EVAP. RATE (BUTYL ACETATE=1)	<1
SPECIFIC GRAVITY (WATER=1)	0.8
Solubility	Nil
Appearance	Dark Brown
Odor	Petroleum

PH: . . . . . Not Applicable

**STABILITY AND REACTIVITY**

STABILITY: STABLE  
INCOMPATIBILITY:- Strong oxidizers  
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:- Carbon dioxide. Oxides of sulfur. Hydrogen chloride.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

**REGULATORY INFORMATION**

CALIFORNIA PROPOSITION 65:  
NONE  
Ozone Depleting Substances:  
None  
HMIS:  
FLAMMABILITY 4 , REACTIVITY 0 , HEALTH 1  
NFPA:  
FLAMMABILITY 4 , REACTIVITY 0 , HEALTH 1  
SARA 313 TITLE III - TOXIC CHEMICALS LIST:  
None  
DOT Shipping Name:  
Consumer Commodity, ORM-D

**CONTROL MEASURES**

**Respiratory Protection Equipment**  
Use NIOSH approved respirator if TLV limit is exceeded.  
**VENTILATION:**  
Local exhaust - yes  
**PROTECTIVE GLOVES:**  
None required if spraying.  
**EYE AND FACE PROTECTION:**  
Safety glasses.  
**OTHER PROTECTIVE EQUIPMENT:**  
Long Sleeves and Long pants  
**SAFE HANDLING**  
Do not smoke while using. Wash hands after use.

**PRECAUTIONS FOR SAFE HANDLING AND USE**

Flash Point -142F TCC  
LOWER EXPLOSION LIMIT : 1.8  
UPPER EXPLOSION LIMIT : 9.5  
EXTINGUISHING MEDIA:- Water fog, carbon dioxide, foam, dry chemical  
UNUSUAL FIRE AND EXPLOSION HAZARDS:- Heated cans may burst.  
SPECIAL FIRE FIGHTING PROCEDURES Keep containers cool. Use equipment or shielding required to protect against bursting or venting containers.  
SPILL PROCEDURES: Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.  
WASTE DISPOSAL METHODS: Dispose as hazardous waste in accordance with EPA RCRA.  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep away from heat, sparks, or open flame. Store at temperatures below 120F.  
OTHER INFORMATION: When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.  
NFPA 30B Level:

3

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. Because the information contained herein may be applied under conditions beyond our control, we assume no responsibility for its use.

43

**PRODUCT NAME:** METAL PARTS CLEANER  
**PRODUCT CODE:** #15-AEROSOL  
**PREPARED FOR:** 1ST AYD CORP.

**HMS CODES:** H F R P  
 2\*4 0

===== **SECTION I - MANUFACTURER IDENTIFICATION** =====



*Distributed by:*  
**1st Ayd Corporation**  
 1325 Gateway Dr  
 Elgin, IL 60123

*Date Prepared:* July 1, 1999  
*Emergency Response Number:*  
 1-800-255-3924

===== **SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT PERCENT
		mm Hg @	TEMP	
* PERCHLOROETHYLENE OSHA PEL: 100 PPM, ACGIH TLV: 25 PPM, : 100 STEL	127-18-4	13	68	97.0
CARBON DIOXIDE OSHA PEL: 10000 PPM, ACGIH TLV: 5000 PPM	124-38-9	38650	60	3

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

===== **SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS** =====

**BOILING RANGE:** 250 deg F  
**VAPOR DENSITY:** HEAVIER THAN AIR  
**SOLUBILITY IN WATER:** NIL  
**APPEARANCE AND ODOR:** AEROSOL PRODUCT; COLORLESS LIQUID; MILDLY SWEET

**SPECIFIC GRAVITY (H2O=1):** 1.58  
**EVAPORATION RATE:** SLOWER THAN ETHER

===== **SECTION IV - FIRE AND EXPLOSION HAZARD DATA** =====

**FLASH POINT:** n/a  
**FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER:** n/a  
**EXTINGUISHING MEDIA:** FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

**METHOD USED:** n/a  
**UPPER:** n/a

**SPECIAL FIREFIGHTING PROCEDURES**

WATER MAY BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD-UP AND EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERRED. WEAR GOGGLES AND SELF-CONTAINED BREATHING APPARATUS.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

KEEP CONTAINERS FROM HEAT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE READILY APPARENT. OBTAIN MEDICAL ATTENTION.

===== **SECTION V - REACTIVITY DATA** =====

**STABILITY:** STABLE  
**CONDITIONS TO AVOID**  
 APPLICATION TO HOT SURFACES.

**INCOMPATIBILITY (MATERIALS TO AVOID)**  
 UNKNOWN.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

MAY PRODUCE FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE, CHLORINE, AND HYDROGEN CHLORIDE.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

===== **SECTION VI - HEALTH HAZARD DATA** =====

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

SOLVENT RESISTANT APRON.

**WORK/HYGIENIC PRACTICES**

EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

===== SECTION IX - DISCLAIMER =====

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. Because the information contained herein may be applied under conditions beyond our control, we assume no responsibility for its use.