

HMIS RATING	
Health	2
Flammability	2
Reactivity	0

**MATERIAL
SAFETY DATA
SHEET**

NFPA 704 RATING	
Health	2
Flammability	1
Reactivity	0
NFPA 30B LEVEL	
1	

KIMBALL-MIDWEST
P.O. BOX 2470
COLUMBUS, OH 43216-2470
CORPORATE TELEPHONE: 614-219-6100
EMERGENCY TELEPHONE: 800-424-9300

1. PRODUCT IDENTIFICATION

PART NUMBER..... 80-801
PRODUCT NAME..... Ultra-Cut Cutting Tool Coolant
CHEMICAL FAMILY..... N/A
DOT SHIPPING..... Limited Quantity (LQ)

2. HAZARDOUS INGREDIENTS

SPECIFIC CHEMICAL IDENTITY, COMMON NAMES	OSHA PEL	ACGIH TLV	STEL	%
*Tetrachloroethylene (127-18-4)	50ppm	50ppm	100ppm	<50
*Trichloroethylene (79-01-6)	50ppm	50ppm	100ppm	<50
Carbon Dioxide (124-38-9)	10000ppm	5000ppm	30000ppm	<4

All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture of trade name product is sold. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement. **Ceiling

3. PHYSICAL DATA

BOILING POINT (RANGE)..... 188-254°F
VAPOR PRESSURE PSIG @ 70°F..... 95-105
VAPOR DENSITY (AIR = 1)..... >1
SOLUBILITY IN WATER..... Negligible
SPECIFIC GRAVITY (H₂O = 1)..... 1.5322
MELTING/FREEZING POINT..... N/A
EVAPORATION RATE (Water=1)..... >1
VOC content (by weight)..... 48%
APPEARANCE AND ODOR..... Clear colorless liquid/solvent odor

4. FIRE AND EXPLOSION DATA

FLASH POINT..... None
UPPER EXPLOSIVE LIMIT (%)..... 10.5
LOWER EXPLOSIVE LIMIT (%)..... 8.0
EXTINGUISHING MEDIA..... Dry chemical, CO₂, water fog, foam
SPECIAL FIREFIGHTING PROCEDURES..... Containers can build up Pressure if exposed to heat (fire). Firefighters should wear NIOSH approved positive pressure self-contained breathing apparatus
FIRE AND EXPLOSION HAZARDS..... Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause injury or death. Heated cans may burst.

5. HEALTH EFFECTS DATA

SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY..... Eyes, Skin, Inhalation, Ingestion
HEALTH HAZARDS (ACUTE AND CHRONIC)..... Overexposure may damage nervous system, kidneys, lungs and liver.
EYE CONTACT:..... Irritating. Can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and feeling of fine dust in the eyes.
SKIN CONTACT:..... Can result in defatting and drying of skin which may result in skin irritation and dermatitis.
INHALATION:..... Headaches, dizziness, nausea, hypotension, changes in heart rate and cyanosis may result. Prolonged inhalation may be harmful.
INGESTION:..... May be harmful or fatal if swallowed. May cause severe and permanent damage to mouth, throat and stomach.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE..... Heart disease, respiratory disorders, possible peripheral nervous system effects

5. HEALTH EFFECTS DATA CON'T

FIRST AID PROCEDURES

EYES..... Flush with water for at least 15 minutes; obtain medical attention
SKIN CONTACT..... Wash with soap, large volumes of water
INGESTION..... Do not induce vomiting; gastric lavage; obtain medical attention
INHALATION..... Remove to fresh air

SPECIAL HEALTH EFFECTS

CALIFORNIA PROPOSITION 65..... This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

6. REACTIVITY

STABILITY..... Stable
INCOMPATIBILITIES..... Strong Acids, Alkalis, Oxidizers, and Amines. Avoid all sources of ignition, welding arcs, and open flames.
HAZARDOUS DECOMPOSITION PRODUCTS..... Oxides of carbon, Oxides of nitrogen, and may produce forms of chloride, chlorine, and phosgene.
HAZARDOUS POLYMERIZATION..... Will not occur
HAZARDOUS POLYMERIZATION CONDITIONS..... None known

7. PRECAUTIONS FOR SAFE HANDLING & USE

PROTECTIVE EQUIPMENT REQUIREMENTS..... Safety glasses; ventilation sufficient to maintain vapor concentrations below TLV
WASH REQUIREMENTS..... Wash with soap and water
SPILL OR LEAK PROCEDURES..... Use absorbent sweeping compound to soak up material; wash area to prevent slipping
WASTE DISPOSAL METHODS..... Dispose of in accordance with local, state, and federal regulations
HANDLING & STORAGE..... Store below 120 °F; keep away from heat, sparks, or open flame
OTHER PRECAUTIONS..... When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator; avoid prolonged breathing of vapors

8. ADDITIONAL INFORMATION

Use self-contained breathing apparatus if TLV limits are exceeded. Do not eat or smoke while using. Wash hands after use. Use positive pressure air supplied respirator if there is potential for uncontrolled release, if exposure levels are unknown, or in any circumstance where air purifying respirators may not provide adequate protection.

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S) ALONE AND ARE NOT COMBINED WITH OTHER PRODUCTS. SUCH INFORMATION IS BASED UPON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES AND IS BELIEVED TO BE ACCURATE. NO GUARANTEE OF ACCURACY IS MADE. IT IS THE PURCHASER'S RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.

**KIMBALL
MIDWEST**

Specializing in Materials Management since 1923