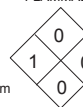




J. Walter Inc.
141 Locust Street, Hartford, CT 06114-1504
www.walter.com
EMERGENCY PHONE: INFOTRAC 1-800-535-5053

NFPA Hazard identification

FLAMMABILITY



HEALTH REACTIVITY

0= Minimum
1= Light
2= Moderate
3= Serious
4= Extremely

MATERIAL SAFETY DATA SHEET M.S.D.S. No.: L-24E

SECTION 1 & 2 - Product & Preparation Information

TRADE NAME(S) Stainlesscut ST-20, liquid	PRODUCT NAME(S) Stainlesscut ST-20 Water Soluble Metal Cutting Fluid
	ORDER NO. 53-C 206, 53-C 207, 53-C 208
PREPARED BY Product Manager, Chemical Tools	WHMIS CLASSIFICATION D2B
TELEPHONE # (860) 724-0321 DATE November 9, 2001	THIS IS A CONTROLLED PRODUCT UNDER WHMIS No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>

SECTION 3 - Hazardous Ingredients

CHEMICAL IDENTITY	% BY WEIGHT	C.A.S. Number	LD ₅₀ RAT	LC ₅₀ RAT
Benzotriazole 1, 2, 3	0.1-1.0	95-14-7	560 mg/kg	1910 mg/m ³ /3hours
Sodium Pyrithione	1-5	3811-73-2	870 mg/kg	N/E

SECTION 4 - Physical Data

PHYSICAL STATE Liquid	ODOUR & APPEARANCE Characteristic, light brown	VISCOSITY (20°C) 200 mm ² /s
pH 9.1 (100 g/L H ₂ O @ 20°C)	BOILING POINT (°C) N/E	FREEZING POINT (°C) N/E
SPECIFIC GRAVITY 0.96 g/cm ³ @ 20°C	VAPOUR PRESSURE N/A	VAPOUR DENSITY N/A
EVAPORATION RATE N/A		SOLUBILITY IN WATER Soluble

SECTION 5 - Fire or Explosion Hazards

FLAMMABILITY No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Conditions None	HAZARDOUS COMBUSTION PRODUCTS Normal combustion product
EXTINGUISHING MEDIA CO ₂ , dry chemical, foam	SENSITIVITY TO MECH. IMPACT OR STATIC DISCHARGE No
FLASHPOINT (°C, Method) N/A	AUTO IGNITION TEMPERATURE (°C) N/A FLAMMABLE LIMITS (%) UPPER N/A LOWER N/A

SECTION 6 - Toxicological Data

ROUTE OF ENTRY <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion	
ACUTE EXPOSURE EFFECTS May cause slight skin irritation.	EXPOSURE LIMITS
CHRONIC EXPOSURE EFFECTS None	N/E
CARCINOGENICITY No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	MUTAGENICITY No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>
REPRODUCTIVE TOXICITY No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	TERATOGENICITY No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>
SYNERGISTIC EFFECTS No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	
IF YES TO ANY ABOVE, SPECIFY: No	

SECTION 7 - Reactivity Data

CHEMICAL STABILITY No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Conditions None	REACTIVITY CONDITIONS None
INCOMPATIBLE SUBSTANCES None	HAZARDOUS DECOMPOSITION PRODUCTS Normal combustion product

SECTION 8 - Preventive Measures

PROTECTIVE EQUIPMENT <input checked="" type="checkbox"/> Eyewear <input type="checkbox"/> Clothing <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Other	ENGINEERING CONTROLS Provide adequate ventilation.
HANDLING PROCEDURES Follow package instructions.	HANDLING EQUIPMENT N/A
WASTE DISPOSAL Dispose of while respecting municipal, provincial and federal regulations.	LEAK/SPILL PROCEDURES Clean with absorbent material.
STORAGE REQUIREMENTS Keep containers upright.	SPECIAL SHIPPING INFORMATION Non regulated product according to TDG

SECTION 9 - First Aid Measures

SKIN CONTACT Rinse thoroughly with soap and water.
EYE CONTACT Rinse thoroughly with plenty of clean water for a few minutes.
INHALATION Remove exposed person to fresh air if adverse effects are observed.
INGESTION Do not induce vomiting. Give 240 to 300 ml of water to the victim. Seek medical advice if needed.
OTHER N/A

N/A - Not Applicable

N/E - Not Established

This data is offered in good faith as typical values and not as a product specification. No warranty, either express or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.