ASHBURN
Cut - Clean - Protect

MATERIAL SAFETY DATA SHEET

MIKE-O-CUT LV, Tapping and Drilling Fluid

I. PRODUCT AND MANUFACTURER INFORMATION	
Product name	**MIKE-O-CUT LV, Light Viscosity Tapping and Drilling Fluid**
Chemical name	NA
Synonyms	NA
CAS number	NE
Manufacturer	Ashburn Industries 2911 Rusk Houston, TX 77003
Emergency phone number	713-425-3000
Date of last revision	5-16-03

II. HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	% Optional	CAS NUMBER	ACGIH TLV (mg/m^3)	OSHA PEL (mg/m^3)	CHEMICAL AND/OR COMMON NAME(S)
Chlorinated paraffins		63449-39-8	5	5	chloroalkanes
Severely hydrotreated light naphthenic distillate		64742-53-6	5	5	Petroleum oil

III. PHYSICAL AND CHEMICAL CHARACTERISTICS	
Boiling point @ 760 mm Hg	>212 °F
Vapor pressure at 20 °C	NA
Vapor density (air = 1)	<1
Solubility in water	Nil
Appearance and odor	Amber fluid, wintergreen odor
Specific gravity (H_2O = 1.0)	0.98
Melting point	NA
Evaporation rate (butyl acetate = 1)	<1

IV. FIRE AND EXPLOSION HAZARD DATA			
Combustible/Not combustible	Not combustible		
Flammable/Not flammable	Not flammable		
Pyrophoric/Not pyrophoric	Not pyrophoric		
Explosive/Not explosive	Not explosive		
Flash point (test method)	415 °F (PMCC)		
Flammable limits (in Air % by volume)	NA	LEL: NA	UEL: NA
Extinguishing media	Foam or dry chemical		
Special fire-fighting procedures or equipment	Same as for petroleum products		
Unusual fire and explosion hazards	None		

V. REACTIVITY DATA	
Material is stable/unstable Conditions to avoid	Stable.
Incompatibility (materials to avoid)	Avoid contact of concentrate with strong acids or bases
Hazardous decomposition or by-products	None known
Hazardous polymerization will/will not occur	Will not occur.

Oxidizer/Not an oxidizer	Not an oxidizer.

VI. HEALTH HAZARD DATA	
Threshold limit value	TLV for this product not established. Refer to the hazardous materials list for TLV of individual ingredients.
Primary route(s) of entry	Skin contact
Known Hazards Under 29 CFR 1910.1200	
Mutagenic (genetic defects)	None
Reproductive	None
Systemic	None
Teratogenic (birth defects)	None
Carcinogen listed in:	
NTP (National Toxicology Program)	NO
IARC Monographs	NO
OSHA	NO
Signs and symptoms of exposure	
Inhalation	Inhalation of oil mist is harmful and may cause lung damage if TLV is exceeded.
Skin contact	Skin irritation should not occur if used as recommended.
Skin absorption	Not likely to occur
Eye contact	May cause eye irritation
Ingestion	May cause nausea
Emergency first aid procedures	
Inhalation	Remove to fresh air. Consult a physician if symptoms persist.
Skin contact	Wash off thoroughly with soap and water. Remove contaminated clothing and launder before re-use. Discard contaminated leather gloves and shoes.
Skin absorption	Not likely to occur
Eye contact	Flush with water for 15 minutes, seek medical attention.
Ingestion	If swallowed, induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person.
Medical conditions generally aggravated by exposure	Persons with pre-existing skin disorders should avoid contact with this product.
Notes to physician	Treatment of overexposure should be directed toward the control of symptoms and the clinical condition.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE		
Steps to take if released or spilled	Flush with water and/or use absorbent material. Mop up.	
Waste disposal method	RCRA criteria must be determined for used material. Use approved treatment, transporters and disposal sites in accordance with local, state and federal laws. Do not flush to storm or sanitary sewer.	
Precautions for handling and storing	Launder contaminated clothing before reuse. Use as directed. Normal precautions common to good manufacturing should be followed in storage and handling.	
Personal protection (code and type)		
Other precautions	For industrial use only. Affix warning labels on containers in accordance with 29 CFR 1910.1200	
Hazard ratings	NFPA	HMIS
Health	1	NR
Flammability	1	NR
Reactivity	1	NR

VIII. CONTROL MEASURES	
Protective gloves (type and material)	Not normally required under normal working conditions. Use chemical-resistant gloves in situations of overexposure.
Eye protection	Wear safety glass or goggles if potential for eye contact exists.
Other protective clothing or equipment	Not normally required.
Respiratory protection (specify type)	Not needed under recommended conditions.
Ventilation and conditions	
Local	Yes
Mechanical	Recommended
Other	None
Special	None
Work/hygienic practices	Do not wear contaminated clothing. Wash prior to eating, drinking, smoking or use of restroom and when leaving work.

IX. ADDITIONAL REGULATORY INFORMATION	
SARA hazard category (Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III)	None
Toxic chemical(s) subject to the supplier notification requirements of section 313 of the Superfund Amendment and Reauthorization Act of 1986 (SARA) and the requirements of 40 CFR part 372	polychlorinated alkanes
Ingredient(s) regulated under the Clean Air Act Section 112 hazardous air pollutants and subject to all reporting requirements of CERCLA (Superfund)	None

NA – not applicable NR – not reported ND – not determined NE – not established UN – unknown

The information presented in this MSDS has been compiled from sources deemed reliable. This MSDS is presented in good faith and believed to be accurate as of the effective date shown above. No warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the responsibility of the buyer to insure compliance with federal, state, provincial and local laws and regulations.