



SECTION I - GENERAL INFORMATION

Company Name: Uni-MIST, Inc. Emergency Phone: (616) 949-0853
Trade Name: Coolube 4501 Chemical Family: Vegetable Cutting Fluid
Site Specific Information: Coolube 4501 is a Vegetable Cutting Fluid

SECTION II - PRODUCT COMPOSITION

A. Substances which give the product its health-risk properties, if any.

Hazardous Substances	Cas Number	Percent
Preservative Grotan Forte (1,3,5-Triazine-1,3,5-(2H,4H,6H)-triethanol)	4719-04-4, 72103-18-5	Max 3%
Na-omadin (Na-2-pyridinethiol-1-oxide)	3811-73-2	Max 0.5%
N-alkylated Tolutriazole	80584-88-9	<0.5%

B. Other Substances

Other Substances	Cas Number	Percent
Vegetable oils		30-100%
Boric amine derivatives		30-100%
Fatty acid		<1%
Polymer defoamer		<1%

SECTION III - PHYSICAL DATA

Appearance and Odor: Dark - to Redbrown Viscous Liquid Vapor Pressure: (PSIA) NA Water Solubility: Emulsifiable
pH in Concentrate: 10.0 pH in Dil. Used: (5%) 9.1 Density: 1000
Solubility in Organic Solvents: No
Special Properties or Risks: Always add concentrate to water when diluting.

SECTION IV - FIRE AND EXPLOSION

Extinguishing Media: CO₂, foam or powder.

SECTION V - HEALTH HAZARD DATA

Skin: The concentrate has a high pH and might irritate skin.
Eyes: The concentrate has a high pH and might irritate eyes.
Other: The preservative used (Frotan Forte) releases formaldehyde, which may cause allergic reactions to people sensitive to formaldehyde.

SECTION VI - FIRST AID

If in Eyes: Rinse with large amounts of water. If problems persist, seek medical help.
If on Skin: Wash with soap and warm water.
If Swallowed: Drink water/milk. Do not induce vomiting. Seek medical help.
If Breathing: None.

SECTION VII - REACTIVITY DATA

Stability: Stable Incompatibility/Material to Avoid: Strong Oxidizing Agents
Hazardous Polymerization: Will not occur Hazardous Decomposition: May form CO
Conditions to Avoid: Avoid extremes of temperatures

SECTION VIII - SPILL OR LEAK PROCEDURES AND WASTE DISPOSAL METHOD

Spill Procedure: Absorb with normal oil absorbents.
Waste Disposal: Follow all local, state and federal regulations for the disposal. Small amounts may be flushed away with water.

SECTION IX - EMPLOYEE PROTECTION

Hand Protection: Impervious gloves recommended when handling large amounts of concentrate.
Eye Protection: Safety glasses recommended when handling large amounts of concentrate.
Respiratory Protection: None required.
Ventilation: Normal.
Local Exhaust: Normal.
Other Protective Equipment: None required.

SECTION X - OTHER INFORMATION

Special Labeling Information: Irritates skin and eyes.
Special Packaging Recommendations: None.
Special Handling and Storing Recommendations: Avoid extremes of heat and cold. Store in a clean dry area. Avoid freezing.
FLME 883 is a test product for field testing in metalworking applications. The composition can therefore be changed. Not all properties are finally determined.

The information presented herein has been compiled from sources considered by the company, in good faith, to be dependable and is accurate and reliable to the best of our knowledge and belief. However, the company cannot make any warranty or representation respecting the accuracy or completeness of the data and assumes no responsibility for any liability or damages relating thereto or for advising you regarding the protection of your employees, customers, or others. Users should make their own test to determine the applicability of such information or suitability of any products for specific use.