Safety Data Sheet - Coolube® 2210

Version 1.0 Date 06.01.15

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name:	Coolube® 2210
Other Identifier:	Mixed Esters
Recommended Use:	Metal Working Lubricant

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Uses:	Environmentally friendly lubricant
Uses Advised Against:	None known

1.3 Details of the Supplier of the Safety Data Sheet

Company Name:	UNIST, Inc.
Address:	4134 36th Street SE Grand Rapids, MI 49512
Telephone Number:	(800) 253.5462 alternatively (616) 949.0853
Fax Number:	(616) 949.9503
Email Address:	salessupport@unist.com

1.4 Emergency Telephone Number

Emergency Number:	(800) 253.5462
Hours of Operation:	Monday thru Friday, 8:30 am - 5:00 pm

SDS Date of Preparation: June 1, 2015

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

US Hazard Classification (29CFR 1910.1200-2012): This product is not classified as hazardous in accordance with the OSHA Hazard Communication Standard.

GHS/EU CLP Classification (No 1272/2008): Not classified as a hazardous substance.

GHS Classification:

Physical Hazard:	Not classified as hazardous substance.
Health Hazard:	Not classified as hazardous substance.
Environmental Hazard:	Not classified as hazardous substance.

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SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media: Use water fog/spray, dry chemical powder, carbon dioxide, foam, sand/earth, use water spray to cool containers.

5.2 Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion Hazards: Not considered flammable but will burn under fire conditions. In combustion emits toxic fumes of carbon dioxide/carbon monoxide.

5.3 Special Protective Actions for Fire-Fighters:

Special Fire Fighting Procedures: Treat as an oil or fat fire. Do not use heavy stream of water. Burning material may float or splatter surrounding area and spread fire. Cool fire exposed containers with water.

Fire Fighting Equipment: As in any fire, wear positive pressure, self-contained breathing apparatus and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent escape of liquid.

6.2 Environmental Precautions

Environmental Precautions: Do not discharge into drains or rivers. Contain the spillage using bunding. Report spills and releases as required to appropriate authorities.

6.3 Methods and Material for Containment and Cleaning Up

Small Spills: Stop spill at source, dike area of spill to prevent spreading. Absorb liquid with an absorbent material and place in a disposal container. Wash area with hot soapy water. Use caution. Spill area will be slippery.

Large Spills: Stop spill at source, dike area of spill to prevent spreading. Pump liquid to salvage tank. Absorb remaining liquid with an absorbent material and place in a disposal container. Wash floors with hot soapy water to prevent slipping. Use caution. Spill area will be slippery.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Handling Requirements: Avoid mist formation. Use with adequate ventilation. Avoid contact with eyes. Wear recommended personal protective equipment. Wash thoroughly after handling. Keep product away from heat, sparks and flames. Keep containers closed when not in use. Never use pressure to empty drums. If material is hot, take precautions against thermal burns.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State:	Low viscosity liquid
Viscosity, 104°F (40°C)	Viscous
Appearance:	Clear, colorless
Odor:	Mild
pH Value:	Not determined/not applicable
Flash Point:	(Open Cup): >400°F (COC), >200°C
Pourability:	10.4 to -4°F (-12 to -20°C)
Boiling Point	>392°F (>200°C)
Autoflammability	>752°F (>400°C)
Autoignition Temperature:	Not determined
Exposure Range:	Not applicable
Vapor Pressure:	<1 mmHg @ 77°F (25°C)
Vapor Density:	Greater than 1
Specific Gravity:	0.93 @ 77°F (25°C)
Melting Point:	Not determined
Solubility in Water:	Insoluble
Also Solvent in:	Soluble in most organic solvents
Evaporation Rate:	Nil
Percent Volatile:	Not determined
Partition Coefficient, N-octanol/Water:	Not determined
Explosive Properties:	None
Flammable Limits: LEL:	Not determined
Flammable Limits: UEL:	Not determined
Flammability (Solid/Gas):	Not applicable
Decomposition Temperature:	Not determined
Oxidizing Properties:	None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not reactive. Stable under recommended transport or storage conditions.

10.2 Chemical Stability: Stable under normal conditions.

10.3 Possibility of Hazardous Reactions: Hazardous reactions will not occur under normal transport and storage conditions. Reaction with strong oxidizers may generate heat and cause fires.

10.4 Conditions to Avoid: Keep away from heat, sparks, flames and other sources of ignition.

10.5 Incompatible Materials

Materials to Avoid: Strong oxidizing agents. Strong acids.

10.6 Hazardous Decomposition Products:

Haz. Decomp. Products: In combustion, emits toxic fumes of carbon dioxide/carbon monoxide. No carcinogenic products of combustion.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: No specific data is available. Not expected to be toxic to aquatic organisms.

12.2 Persistence and Degradability: The product is readily biodegradable according to CEC L-33-A-93 (>80% - 21 days).

12.3 Bioaccumulative Potential: No bioaccumulative potential.

12.4 Mobility in Soil: Readily absorbed in soil.

12.5 Results of the PBT and vPvB assessment

PBT Identification: This product is not identified as a PBT substance.

12.6 Other Adverse Effects: Negligible ecotoxicity.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Disposal Operations: Transfer to a suitable container and arrange for collection by specialized disposal company. Dispose in accordance with all applicable national environmental laws and regulations.

Disposal of Packaging: Arrange for collection by specialized disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

General Comments: It is the responsibility of the user of this product to characterize wastes generated to determine if the waste meets the definition of hazardous waste. Do not dispose of by means of sinks, drains, or in the immediate environment. Obtain consent of pollution control authorities before discharging to wastewater treatment plants.

SECTION 14: TRANSPORTATION INFORMATION

14.1 Land Transport (DOT/ADR/RID)

UN Number: Not classified as dangerous goods under transport regulation.
UN Proper Shipping Name: Not applicable.
Transport Hazard Class: Not hazardous.
Packing Group: Not applicable.

14.2 Sea Transport (IMDG Code)

UN Number: Not classified as dangerous goods under transport regulation.
UN Proper Shipping Name: Not applicable.
Transport Hazard Class: Not hazardous.
Packing Group: Not applicable.

Chemical Inventories:

US TSCS: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.
EU EINECS: All of the components are listed on the EINECS inventory.
Australia: All of the components are listed on the AICS inventory.
Canadian CEPA: All of the components are listed on the Canadian DSL.
Japan MITI: All of the components are listed on the Japanese Inventory.

Symbols: None.
Risk Phrases: None.
Safety Phrases: None.

No labeling required according to EU Regulations.

Superfund Amendments and Reauthorization Act of 1986 (SARA) title III requires submission of annual reports of toxic chemicals that appear in 40 CFR 372 (SARA 313). This information must be included in all SDS's that are copied and distributed for this material. Components present in the product at a level which could require reporting under the statute are: None.

15.2 Safety, Chemical Safety Assessment: Not Required

SECTION 16: OTHER INFORMATION

16.1 Other Information:

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 453/2010.

Coolube® 2210 is a neat metalworking oil with superior lubricating properties. The product is based on vegetable oils and natural esters and should be used undiluted in, for example, minimal lubrication applicators. This product (or components, if a mixture) has not been found to be a carcinogen or potential carcinogen by IARC; is not listed in the NTP Third Annual Report; nor is it regulated by OSHA as a carcinogen.

Legal Disclaimer:

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 tests to determine the applicability of such information or suitability of any products of specific use.

HMIS Rating:	**NFPA Rating:**
Health: 0	Health: 0
Flammability: 1	Fire: 1
Physical Hazard: 0	Reactivity: 0

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):
None.

Revision History: Update to GHS format.
Date: 06/01/15