



## Safety Data Sheet - Coolube® 2110 Paste

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® 2110 Paste  
**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

**Classification (EC 1272/2008):**

**Physical and Chemical**

**Hazards:** Not classified.

**Human Health:** Not classified.

**Environment:** Not classified.

**Classification (1999/45/EEC):**

The full text for all r-phrases and hazard statements are displayed in section 16.

**GHS Classification:**

**Physical Hazard:** Not classified as hazardous substance.

**Health Hazard:** Not classified as hazardous substance.

**Environmental Hazard:** Not classified as hazardous substance.

**2.2 Label Elements****No Labeling Required****GHS Label Element**

<b>Hazard Symbol:</b>	Not classified as hazardous substance.
<b>Signal Word:</b>	Not classified as hazardous substance.
<b>Hazard Statement:</b>	Not classified as hazardous substance.
<b>Precautionary Statement:</b>	Not classified as hazardous substance.

**2.3 Other Hazards**

**PBT:** This product is not identified as a PBT substance or mixture.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substance**

Chemical Name	CAS#	EINECS#	EU Classification (67/548/EEC) and (1272/2008)	%
Mixed Esters/Ester Blend	Proprietary	Proprietary	Not classified as hazardous	100

No ingredients are hazardous according to OSHA criteria. No components need to be disclosed according to the applicable regulations.

See Section 16 for further information on EU and GHS Classification.

**SECTION 4: FIRST AID MEASURES****4.1 Description of First Aid Measures**

<b>Eye Contact:</b>	Flush with generous amounts of temperate water for a minimum of 15 minutes. Seek medical attention if irritation occurs.
<b>Skin Contact:</b>	Wash with soap and water. Seek medical attention if irritation occurs.
<b>Ingestion:</b>	Drink moderate amounts of water or milk. Do not induce vomiting. Contact medical professional if any adverse reactions are noticed.
<b>Inhalation:</b>	Remove to fresh air. Get medical attention if irritation persists.

**4.2 Most Important Symptoms/Effects, Both Acute and Delayed:**

<b>Eye Contact:</b>	There may be irritation and redness.
<b>Skin Contact:</b>	There may be mild irritation at the site of contact.
<b>Ingestion:</b>	There may be soreness and redness of the mouth and throat.
<b>Inhalation:</b>	There may be irritation of the throat with a feeling of tightness in the chest.

**4.3 Indication of Immediate Medical Attention and Special Treatment Needed:**

**Immediate/Special Treatment:** Not applicable. Immediate treatment is not required.

**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:**

Non-hazardous substance. No specific clean-up procedure noted. Collect with absorbent, non-combustible material into suitable containers. Collect in containers and seal securely.

**6.4 Reference to Other Sections:**

For waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for Safe Handling:**

No specific usage precautions noted.

**7.2 Conditions for Safe Storage, Including any Incompatibilities:**

No special storage precautions noted.

**7.3 Specific End Use(s):**

The identified uses for this product are detailed in Section 1.2.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control Parameters**

**Ingredient Comments:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**8.2 Exposure Controls**

**Process conditions:** Provide eyewash station.

**Engineering Measures:** Provide adequate ventilation.

**Respiratory Equipment:** Respiratory protection not required.

**Hand Protection:** For prolonged or repeated skin contact use suitable protective gloves.

**Eye Protection:** Not relevant.

**Hygiene Measures:** Wash hands after handling.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on Basic Physical and Chemical Properties**

**Appearance:** Paste

**Color:** Blue

**Odor:** No characteristic odor.

**Solubility:** Insoluble in water.

**Initial Boiling Point and Boiling Range:** Not determined.

**Melting Point:** 89.6°F - 109.4°F (32 - 43°C)

**Relative Density:** 0.84 @ 77°F (25°C)

**Viscosity:** Not applicable.

**Decomposition Temperature:** Not available.

**Flash Point:** >302°F (>150°C) Cd OC (Cleveland open cup).

**Auto Ignition Temperature:** Not available.

**Flammability Limit - Lower (%):** Not available.

**Flammability Limit - Upper (%):** Not available.

**9.2 Other Information**

**Volatile Organic Compound (VOC):** Non-volatile.  
Note: refer to product specification sheet for additional physical and chemical properties.

**SECTION 10: STABILITY AND REACTIVITY**

<b><u>10.1 Reactivity:</u></b>	No specific reactivity hazards associated with this product. Reaction with: Oxidising materials.
<b><u>10.2 Chemical Stability:</u></b>	Stable under normal temperature conditions and recommended use.
<b><u>10.3 Possibility of Hazardous Reactions:</u></b>	Not relevant.
<b><u>10.4 Conditions to Avoid:</u></b>	Avoid exposing to heat and contact with strong oxidising substances.
<b><u>10.5 Incompatible Materials</u></b>	
<b>Materials to Avoid:</b>	Strong oxidising substances.
<b><u>10.6 Hazardous Decomposition Products:</u></b>	During fire, toxic gases (CO, CO <sub>2</sub> ) are formed.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on Toxicological Effects**

<b>Acute Toxicity:</b>	Acute Toxicity (Oral LD <sub>50</sub> ) 20000 mg/kg
<b>Skin Corrosion/Irritation:</b>	Not irritating.
<b>Serious Eye Damage/Irritation:</b>	Not irritating.
<b>Respiratory or Skin Sensitisation:</b>	Toxicological studies are not yet available. Not Sensitising.
<b>Germ Cell Mutagenicity:</b>	Negative.

**SECTION 12: ECOLOGICAL INFORMATION**

<b><u>12.1 Toxicity:</u></b>	Acute fish toxicity. There are no data on the ecotoxicity of this product.
<b><u>12.2 Persistence and Degradability:</u></b>	The product is expected to be biodegradable.
<b><u>12.3 Bioaccumulative Potential:</u></b>	No data available on bioaccumulation.
<b><u>12.4 Mobility in Soil:</u></b>	The product is non-volatile.
<b><u>12.5 Results of PBT and vPvB Assessment:</u></b>	This product does not contain any PBT or vPvB substances.
<b><u>12.6 Other Adverse Effects:</u></b>	Not determined.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste Treatment Methods****General Information:**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

**SECTION 14: TRANSPORTATION INFORMATION****General:**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1 UN Number:**

Not applicable.

**14.2 UN Proper Shipping Name:**

Not applicable.

**14.3 Transport Hazard Class(es):**

Not applicable.

**14.4 Packing Group:**

Not applicable.

**14.5 Environmental Hazards:**

Environmentally Hazardous Substance/Marine Pollutant No.

**14.6 Special Precautions for User:**

Not applicable.

**14.7. Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:**

Not applicable.

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture****Regulatory Status (US)****TSCA:**

The ingredients of this product are on the TSCA Inventory.

**SECTION 313:**

This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

**PROPOSITION 65:**

This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986.

**INVENTORY STATUS:**

This product contains only chemicals that are currently listed on: USA - TSCA; Australia - AICS; EU - EINECS; Canada - DSL; Korea - ECL; Japan - ENCS; Philippines - PICCS; and China - SEPA.

**Uk Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

**Environmental Listing:** No listing noted.

**Statutory Instruments:** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

**EU Legislation:** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**National Regulations:** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Health and Safety at Work Act (As Amended) 1974 Control of Substances Hazardous to Health Regulations 2002 (as amended).

**Health and Environmental Listings:** None of the ingredients are listed.

**15.2. Chemical Safety Assessment:** No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

**16.1 Other Information:** This product does not contain any classified substances in reportable amounts. This data sheet is provided to confirm this and as a service to customers.

**Legal Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

<b>HMIS Rating:</b>	<b>NFPA Rating:</b>
Health: 0	Health: 0
Flammability: 1	Fire: 1
Physical Hazard: 0	Reactivity: 0

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