



**OAK INDUSTRIAL SUPPLIES LTD**  
“THE INDUSTRIAL SUPPLIES PEOPLE”

**HEALTH & SAFETY DATA SHEET**

**Identification Of The Substance And Supplier**

**Product Name:** **Milcool 2226**

**Name Of Supplier:** **Oak Industrial Supplies Ltd**  
Hamilton Road  
Sutton in Ashfield  
Nottinghamshire  
NG17 5LN

**Business Tel No:** 01623 442222  
**Emergency Tel No:** 01484 713201

**Product Description:** A biostable and nitrite free soluble oil that when mixed gives a microfine emulsion which is suitable for all full range of machining operations and a wide range of metallurgies.

**Application:** To be used in diluted form at a typical working strength of 20:1 but may be used up to 15% where the application requires an increased strength.

**Composition/Information On Ingredients.**

**Chemical nature of the substance or preparation:**

Product is a mixture of:  
Mineral Oil  
Water  
Esters  
Soaps  
Additives

**Hazardous components:**

Mineral Oil	Lable free	30 / 100%
Oxazolidine deriv. (CAS: 66204-44-2)	Xn; R22-36/37/38	1 / 5%
Phosphate based additive	Xi: R36/38	1 / 5%

**Hazards Identification.**

**Information pertaining to particular dangers for man and environment:**

Could release formaldehyde.

**Classification system:**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplying companies

### **First Aid Measures.**

**General information:** no special measures required.

**Eyes:** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

**Skin:** Wash with water and soap

**Inhalation:** Supply fresh air; consult a doctor in case of symptoms.

**After swallowing:** DO NOT INDUCE VOMITING; seek medical advice.

### **Fire Fighting Measures.**

**Suitable extinguishing media:** Water haze. Foam, BC Powder, Carbon Dioxide, Sand.

**Extinguishing media which must not be used for safety reasons:** Water with a full water jet.

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:** Nitrogen oxide, Carbon monoxide, Sulphur Oxides, Phosphor Oxides, Formaldehyde. Under certain fire conditions, traces of other toxic gases cannot be excluded.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus. Wear full protective suit.

### **Accidental Release Measures.**

**Personal Precautions Such As:** Prevent Skin and eye contact.

**Environmental Precautions Such As:** Do not allow to enter drainage system, surface or ground water.

**Methods for cleaning up such as:** Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Dispose of contaminated material as waste according to item 13.

**Additional information:** No dangerous materials are released.

### **Handling And Storage.**

**Handling:**

**Information for safe handling:** Wash hands before work breaks and at the end of working. Take off contaminated clothing.

**Information about protection against explosions and fires:** No Special measures required

**Storage:**

**Requirements to be met by storerooms and containers:** No Special Requirements.

**Information about storage in one common storage facility:** Storage temperature 4 – 35oC

### **Exposure Controls/Personal Protection.**

**Components with limit values that require monitoring at the workplace:**

Mineral Oil Label Free

<b>MAC:</b>	Short-term value:	5mg/m3
	Long-term value:	5mg/m3

**Additional information:** The lists with limits values that were valid during the compilation of this material safety data sheet were used as basis.

**Personal protective equipment:**

**General protective and hygienic measures:** The usual precautionary measures should be adhered to general rules for handling chemicals

**Respiratory equipment:** Not necessary if the room is well-ventilated.

**Hand protection:** Protective gloves.

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**Eye protection:** Safety glasses.  
**Skin protection:** Protective work clothing.

### Physical And Chemical Properties.

<b>Appearance:</b>	Fluid		
<b>Odour:</b>	Characteristic		
<b>Colour:</b>	Amber		
<b>Melting point:</b>	< 4 (deg C)		
<b>Boiling point:</b>	100 (deg C)		
<b>Flash point:</b>	N/A		
<b>Relative density:</b>	at 15 (deg C)	-	0.977 g/cm <sup>3</sup>
<b>Solubility in water:</b>	Emulsifiable		
<b>PH: value:</b>	at 20 (deg C)	-	9.6
<b>Viscosity kinematic:</b>	at 40 (deg C)	-	51.8 mm <sup>2</sup> /s

### Stability And Reactivity.

**Conditions to avoid:** At normal use no circumstances to avoid.  
**Materials to avoid:** At normal use no substance to avoid.  
**Dangerous reactions:** At normal use no dangerous reactions.  
**Hazardous decomposition products:** At normal use no hazardous decomposition products.

### Toxicological Information

**Ingestion:** Unknown  
**Inhalation:** Unknown  
**Skin Contact:** Irritation may occur after prolonged contact  
**Eye Contact:** Unknown  
**Sensitisation:** No sensitising effect known.

**Additional toxicological information:** The product is not subject to classification according to the calculation method of the general EC Classification Guidelines for Preparations as issued in the latest version.

When used handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### Ecological Information.

**Persistence and degradability:** Not determined.  
**Behaviour in environmental system:** Not determined.  
**Mobility and bioaccumulation potential:** Not determined.  
**Ecotoxicological effects:** Not determined.  
**Behaviour in sewage processing plants:** Not determined  
**General notes:** Do not allow product to reach ground water, water bodies or sewage system.

### Disposal Considerations.

**Product:**  
**Disposal recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated under adherence to official regulations.  
**Remarks:** Product contains organophosphorous compounds

**Uncleaned packages:**

**Disposal recommendation:** Disposal must be made according to official regulations.

**Recommended cleaning agent:** Water, if necessary with cleaning agent.

**Transport Information.**

NOT CLASSIFIED AS DANGEROUS FOR TRANSPORT.

**Regularity Information.**

**Classification according to EC guidelines:**

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

**Other Information.**

The information relates only to the specific materials designated herewith and may not be valid for this material when used in conjunction with any other materials or in any other process.

Revised: 6<sup>th</sup> December 2000