

# MATERIAL SAFETY DATA SHEET

## 1. IDENTITY OF MATERIAL

Product Name : **Synthetic Coolant & Grinding Fluids**  
Synonyms : *NAFFCOOL #4500SYN*  
Chemical Family : **Machining Lubricant**  
Formula : **Proprietary**

## 2. HAZARDOUS INGREDIENTS

Material	%	Cas No.	TLV ( Units )
KOH – 45% Liquid	< 5,0	1310-58-8	2 mg/m <sup>3</sup>
TEA – 85%	< 15,0	-	-
Biocide & Fungicide	1,0	-	-

Other ingredients are extreme pressure, lubricity, boundary film, corrosion inhibitor, hard water additives. This product does not contain any chlorine, sulfur, sulfonates, heavy metals and phenolic derivatives.

## 3. PHYSICAL DATA

Specific Gravity 1.02  
Vapor Density N/A  
Vapor Pressure at 20°C N/A  
Solubility in Water % by Weigh Complete  
pH, 5% dilute in water 9,0 ± 0,02  
Appearance and Odor Light yellow Liq. No characteristic odor

### 3. HEALTH HAZARD DATA

EFFECT OF OVEREXPOSURE	Health Hazard Rating	Remarks
Inhalation	0	Inhalation of mist of working solution may Cause irritation to mucous membrane.
Skin Contact	1	Causes irritation to skin.
Skin Absorption	0	Will not be absorbed through the skin.
Eye Contact	2	Causes irritation to possible burns.
Ingestion	1	May cause nausea, vomiting or upset stomach

### Emergency & First Aid Procedures

**Eyes** : Immediately flush eyes with running water for at least 10 minutes. Get prompt medical attention.  
**Skin** : Remove contaminated clothing and wash before reused.  
Wash skin thoroughly with soap and water, then apply a soothing cream. If irritation persists,  
Seek medical aid.  
**Inhalation** : Remove victim to fresh air.  
**Ingestion** : Give water or milk to drink, followed by diluted vinegar or citrus juice.  
**Notes to physician** : None.

### 5. REACTIVE DATA

<b>Stability</b>		Conditions to avoid : None
<b>Unstable</b>	<b>Stable</b>	
	<b>X</b>	
<b>Incapability</b>		Strong acids, certain oxidizing agents, etc
<b>Hazardous</b>		Possibly oxides of carbon, nitrogen, etc
<b>Decomposition Product</b>		

## 6. SPILL OR LEAK PROSEDURE

Steps to be taken if material released or spilled	Pick up contaminated spilled material and return it to the container. For the remaining material, flush with plenty of water to sanitary sewer or use an absorbing material to absorb the spill. Mop dry the area.
Waste disposal method	If there is no oil contamination, the product can be disposed to sanitary sewer. The diluted working solution has pH of $\pm 9,20$ ( 5% Solution ) and product contains no hazardous ingredients. However, follow federal, state and local regulations.

## 7. SPECIAL PRECAUTION

Other Handling and Storage Conditions

: Keep from freezing. Store indoors at room temperatures during winter months. Follow normal precautions for alkaline materials.

**FOR INDUSTRIAL USE ONLY**