

MATERIAL SAFETY DATA SHEET

1 IDENTITY OF MATERIAL

Product Name : Soluble Oil Coolant for General Machining
Synonym : NAFFCOOL 0422
Chemical Family : Lubricant
Formula : Proprietary

2 COMPOSITION INGREDIENTS

MATERIAL	%	Cas. No	TLV(Units)	OSHA PEL
Mineral Oil	< 60,00	6472-52-5	5 mg/m ³	5 mg/m ³
KOH - 5% Liquid	0,60	1310-58-8	2mg/m ³	2mg/m ³
Biocide & Fungicide	1,0	-----	-----	-----

Other ingredients are emulsifiers, lubricity & extreme pressure additives, solvent coupler, defoamer, etc.
This product does not contains chlorine, phosphates, heavy metals, phenolic derivatives, etc.

3 PHYSICAL DATA

Specific Gravity : 0,88
Vapor Density : N/A
Vapor pressure at 20°C : N/A
pH 5% diluted in water : 8 - 9
Appearance : Light Brown

4 HEALTH HAZARD DATA

EFFECT OF OVEREXPOSURE	RATING	NOTES
INHALATION	1	Inhalation of oil mist may cause respiratory irritations. Mist of diluted working solution may cause irritation to mucuouse membrane.
SKIN CONTACT	1	Prolong skin contact may cause irritation.
SKIN ABSORPTION	0	Product will not be absorbed through the skin.
EYE CONTACT	1	Direct contact of diluted or concentrated product may cause irritation.
INGESTION	1	Ingestion of diluted or concentrated product may cause nausea, upset stomach, etc.

EMERGENCY & FIRST AID PROSEDURE

EYES : Immediately flush with running water for at least 10 minutes. Get prompt medical attention.
SKIN : Remove contaminated clothing and wash before reuse. Wash skin thoroughly with soap and water. Apply a soothing cream. If irritation persists, seek medical attention.
INHALATION : If inhaled strongly, remove the person to fresh air.
INGESTION : If swallowed, don't induce vomiting. Give water or milk to drink. Contact the physician immediately.
Notes to physician : None

5 FIRE- FIGHTING MEASURES

Extinguishing media :

Foam, dry powder, CO2

For safety reasons inappropriate extinguishing methods :

Water

Special hazards caused by the product, its combustion products or resulting gas :

None

Special Protective Measures :

None

General Information :

Cool closed containers exposed to fire with water to avoid damage to the containers.

6 REACTIVE DATA

STABILITY : Stable

CONDITION TO AVOID : Heat, spark and open flame

INCOMPABILITY : Strong oxidants, acids, etc.

HAZARDOUS DECOMPOSITION

PRODUCT : Incomplete combustion may result oxides of carbon and nitrogen.

7 TOXICOLOGICAL INFORMATION

Due to its chemical composition it is expected that the product has an irritating effect on eyes and skin in case of contact.

Empirical data on effects on humans :

In case of proper handling, no negative effects have become known so far.

8 ECOLOGICAL INFORMATION

Mineral oil / hydrocarbon

Industrial chemicals should not be allowed to enter drains or water in large amounts.

9 SPILL OR LEAK PROCEDURE

STEP TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	Removed source of ignition. Pick up uncontaminated liquid and return it to the container. Treat as oil spill, dike the area, absorb the spill, sweep up and dispose the absorbant as per regulations. Residual spill can be washed with water & mop dry.
WASTE DISPOSAL METHOD	Diluted solution makes emulsion which should be chemical split using acid, coagulants, polymer, etc. Allow to separate oil and skim of the oil. Oil can be burned or hauled away and disposed per regulations. Neutralize remaining liquid with alkaline material, dilute and dispose as per federal, state and local regulations.

10 SPECIAL PRECAUTIONS

OTHER HANDLING & STORAGE CONDITION:

Don't get in eyes. Avoid prolonged or repeated skin contact. Avoid breathing oil mist. Store at moderate temperature out of direct sunlight, away from heat, open flame and spark.
Keep container closed when not in use.

FOR INDUSTRIAL USE ONLY