

MATERIAL SAFETY DATA SHEET

I IDENTITY OF MATERIAL

Product Name : Heavy Duty Soluble Oil Coolant & Machining Fluids
Synonym : **NAFFCOOL NS - 04HD**
Chemical Family : Lubricant
Formula : Proprietary

II HAZARDOUS INGREDIENTS

MATERIAL	%	Cas. No	TLV(Units)	OSHA PEL
Naphthanic 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.

III PHYSICAL DATA

Specific Gravity : 0,89
Vapor Density : N/A
Vapor pressure at 20°C : N/A
pH 5% diluted in water : 9,00 ± 0,02
Appearance : Dark Brown

IV 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 shooting 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 phycisian Immediately.
Notes to phycisian : None

V REACTIVE DATA

STABILITY : Stable
CONDITION TO AVOID : Heat, spark and open flame
INCOMPABILITY : Strong oxidants, acids, etc.
HAZARDOUS DECOMPOSITION
PRODUCT : Incompelete combustion may result oxides of carbon and nitrogen.

VI SPILL OR LEAK PROCEDURE

STEP TO BE TAKEN IF MATERIAL IF 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.

VII 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