

PT. TANESHA WAHANA INDUSTRI
 Komp. Business TangCity Blok E/2
 Jl. Jend.Sudirman No.1 Tangerang

MATERIAL SAFETY DATA SHEET

I. IDENTITY OF MATERIAL

PRODUCT NAME : NAFFCOOL NS# 400 (Heavy Duty Soluble Oil Cutting Fluids)
 CHEMICAL FAMILY : Machining Lubricant
 FORMULA : Proprietary

II. HAZARDOUS INGREDIENTS

MATERIAL	%	CAS NUMBER	TLV (Units)	OSHA PEL
KOH 45% Liquid Other ingredients are paraffinic oil base oil, emulsifier, lubricity additives, extreme pressure additives, organic rust inhibitor, coupling agent, defoamers, etc. This product does not contain any chlorine, sulfur, phosphates, heavy metals, phenolic derivatives. Biocide & Fungicide	1,0 1.0	1310-58-8 Proprietary	2 mg/M ³ 	2 mg/M ³

Hazard Specifications

KNOWN HAZARDS UNDER 29 CFR 1910.1200			TLV. For final mixture, not established		
	YES	NO		YES	NO
Combustible Liquid		x	Skin Hazard		X
Flammable Material		X	Eye Hazard	X	
Pyrophoric Material		X	Toxic Agent		X
Explosive Material		X	Highly Toxic		X
Unstable Material		X	Sensitizer		X
Waterreactive Material		X	Carcinogen		X
Oxidizer		X	Reproductive toxin		X
Organic Peroxide		X	Blood Toxin		X
Corrosive Material		X	Lung Toxin		X
Compressed Gas		X	Liver Toxin		X
			Kidney Toxin		X
NPFA HAZARD SIGNAL HEALTH :1 STABILITY :1 FLAMMBILITY :0 SPECIAL :1 Dot Hazard Class : None EPA Hazard Waste Class: None					

III. PHYSICAL DATA

Boiling Point	NA
Specific Gravity	1,00 ± 0,015
Vapor Density	N/A
Freezing point	<0°C
Solubility in Water	Complete
Evaporation Rate	N/A
Appearance	Light Brown Liq. No characteristics odor.

IV. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	TLV for this product is not established. Refer to the hazardous material list for individual ingredients TLV'S
EFFECT OF OVER EXPOSURE	Note: Data applies to the concentrate. Health Hazard Potential is reduce at use concentrations if applicable.
INHALATION	Inhalation of oil mist may cause respiratory irritation. Mist of diluted working solution may cause irritation to mucous membrane.
SKIN CONTACT	May cause irritation and possible skin burns.
SKIN ABSORPTION	Product will not be absorbed through the skin.
EYE CONTACT	Will cause irritation or possible eye burns.
INGESTION	Not harmful is mistakenly taken in small quantity. May cause vomiting, nausea or upset stomach.

EMERGENCY AND FIRST AID PROCEDURES

EYES	Immediately flush with running water for at least 10 minutes. Get prompt medical attention.
SKIN	Remove contamination 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, do not induce vomiting. Give water or milk to drink. Contact a physician immediately.
NOTES TO PHYSICIAN	None

V. REACTIVE DATA

STABILITY	Stable.
INCOMPABILITY (Material to avoid)	Strong oxidants, acids, etc.
HAZARDOUS DECOMPOSITION PRODUCT	Incomplete combustion may result oxides of carbon and nitrogen. HAZARDOUS POLYMERIZATION : Will not occur.

VI. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	Remove 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 absorbent as per regulations. Residual spill can be washed with water and mop dry.
WASTE DISPOSAL METHOD	If there is no oil contamination, the product can be disposed to sanitary sewer. The diluted working solution has pH 9,2 (5% solution) and product contains no hazardous ingredients. However, follow federal, state and local regulations.

VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	Not Required
VENTILATION	Local exhaust : Over working area
PROTECTIVE GLOVES	Rubber or synthetic Eye Protection : Safety goggles.
OTHER PROTECTIVE EQUIPMENT	Synthetic apron, boots.

VIII. SPECIAL PRECAUTIONS

PRECAUTION LABELING : None

OTHER HANDLING AND STORAGE CONDITIONS :

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