

NAFFCOOL # 3400 NF MATERIAL SAFETY DATA SHEET June, 2012

I. IDENTITY OF MATERIAL AND COMPANY

PRODUCT NAME : NAFFCOOL # 3400 NF
 CHEMICAL FAMILY : Lubricant- Synthetic Hot Forging Lubricant-Free Graphite.
 FORMULA : Proprietary
 COMPANY : PT. TANESHA WAHANAMAS
 Tangerang City Business Park Blok E-2
 11. Jend. Sudirman No.1 Cikokol Tangerang Banten Indonesia
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II. HAZARDOUS INGREDIENTS

MATERIAL	%	CAS NUMBER	TLV (Units)	OSHA PEL
KOH 45% Liquid Other ingredients are polyglycol ester based, lubricity <i>additives</i> , <i>extreme</i> pressure additives, biodegradable emulsifier, rust inhibitors defoamers, etc. This product does not contain any chlorine, sulfonates, nitrites, sulfur & graphite. Biocide & Fungicide	3.0	1310-58-8	2 mg/M ³	2 mg/M ³
	1.0	Proprietary		

III. HAZARD SPECIFICATION

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 <i>Material</i>		X	Toxic Agent		X
Explosive Material		X	Highly Toxic		X
Unstable Material		X	Sensitizer		X
Water reactive 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
 FLAMMBILTY: 0
 SPECIAL: 1
 DOT HAZARD CLASS: None
 EPA HAZARD WATER CLASS:
 None

IV. PHYSICAL DATA

Boiling Point : N/A
 Specific Gravity : 1.05 ± 0,015
 Vapor Density : N/A
 Freezing point : N/A

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Solubility in Water Excellent
 Evaporation Rate N/A
 Appearance Light Yellow Liquid. No Characteristic Odor

V. 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 mist of working solution may cause irritation of 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 if mistakenly taken in small quantity. May cause vomiting, nausea or upset stomach.

VI. 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

VII. REACTIVE DATA

STABILITY	Stable. Condition to avoid: Heat, spark and open flame.
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.

VIII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	Pick up uncontaminated 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 9.2 (5% solution) and product contain no hazardous ingredients. However, follow federal, state and local regulations.

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IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	Not required
VENTILATION	Local exhaust : Over working area
PROTECTIVE GLOVES	Rubber or synthetic
OTHER PROTECTIVE EQUIPMENT	Synthetic apron, boots.

X. 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.