

# MATERIAL SAFETY DATA SHEET

## I. CHEMICALS PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME : NAFFCOOL # 225 K  
 CHEMICAL FAMILY : Knitting Oil Lubrications  
 FORMULA : Proprietary.  
 COMPANY : PT. TANESHA WAHANAMAS  
 Tangerang City Business Park Blok E/2  
 Jl. Jend. Sudirman No.1 Cikokol Tangerang Banten  
 Phone : +6221-55782341

## II. HAZARDOUS INGREDIENTS

MATERIAL	%	CAS NUMBER	TLV (Units)	OSHA PEL
Mineral Oil	<60,0	64742-52-5	5 mg/M <sup>3</sup>	5 mg/M <sup>3</sup>
KOH 45% Liquid	0.6	1310-58-8	2 mg/M <sup>3</sup>	2 mg/M <sup>3</sup>
Other ingredients are biodegradable surfactant, and lubricity additives. This product does not contain chlorine, sulfur, phosphates, heavy metals, phenolic derivatives.				
Biocide & Fungicide	1.0	Proprietary		

## III. Hazard Specifications

	KNOWN HAZARDS UNDER 29 CFR 1910.1200		TLV. For final mixture, not established			
	YES	NO	YES	NO		
Combustible Liquid	X			X	NPFA HAZARD SIGNAL HEALTH :1 STABILITY :0 FLAMMBILTY :1 SPECIAL :0	
Flammable Material		X	X			
Pyrophoric Material		X		X		
Explosive Material		X		X		
Unstable Material		X		X		
Waterreactive Material		X		X		
Oxidizer		X		X		
Organic Peroxide		X		X		
Corrosive Material		X		X		
Compressed Gas		X		X		
				X		
				X		

## IV. PHYSICAL DATA

Boiling Point : N/A  
 Specific Gravity : 0.8560  
 Vapor Density : N/A

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Freezing point N/A  
 Solubility in Water Form emulsion from 1-60% concentration  
 Evaporation Rate N/A  
 Appearance Clear liquid

### 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 oil mist may cause respiratory irritation. Mist of diluted working solution may cause irritation to mucous membrane.
SKIN CONTACT	Prolong skin contact may cause irritation.
SKIN ABSORPTION	Product will not be absorbed through the skin.
EYE CONTACT	Direct contact of diluted or concentrated product may cause irritation.
INGESTION	Ingestion of diluted or concentration product may cause nausea, upset stomach, etc.

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

### VIII. 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	Diluted solution makes emulsion which should be chemically split using acid, coagulant, polymers, etc. Allow to separate oil and skim off the oil. Oil can be burned or hauled away and disposed as per regulations. Neutralize remaining liquid with alkaline material, dilute and dispose as per federal, state and local regulations.

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## **IX. SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION	Normally not required. If oil mist exceeds 5 mg/M <sup>3</sup> , use NIOSH approved mask.
VENTILATION	Local exhaust : Over working area
PROTECTIVE GLOVES	Oil impervious gloves. Eye Protection : Safety goggles.
OTHER PROTECTIVE EQUIPMENT	Oil resistant apron or equivalent.

## **X. SPECIAL PRECAUTIONS**

PRECAUTION LABELING : Petroleum Oil – FOR INDUSTRIAL ONLY

OTHER HANDLING AND STORAGE CONDITIONS :

Do not 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 use.

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