

MATERIAL SAFETY DATA SHEET

1.PRODUCT IDENTIFICATION AND COMPANY

Product Name PETRO HYDRO 32

Product Type Hydraulic Oil

Company PT. PETROMITRA PACIFIC INTERNUSA

ALAM SUTERA TOWN CENTER BLOK 10 H NO.18

TANGERANG 151436

Tlp: (021) 29211565 Fax: (021) 29211566

2. COMPOSITION

Mineral Oil Content 97.4% Additives Content 2.6%

3. HAZARDS IDENTIFICATION

Human Health Product is not hazardous

Eye Contact Slightly irritant

Skin Contact Prolonged or repeated contact may irritate skin Inhalation Repeated and repeated contact may irritate skin

Ingestion Minimal toxicity

Safety Hazards Not classified as flammable but will burn

Environmental Not readily biodegradable

Hazards

Skin Contact

4. FIRST AID

Eye Contact Flush eyes with large amount of water until irritation subsides. If

Flush with large amount of water, use soap if available. Remove

contaminated clothing. If irritation persists, get medical attention.

Inhalation Remove to fresh air. If rapid recovery does not occur, get medical

irritation persists, get medical attention

attention

Ingestion Do not induce vomiting. If rapid recovery does not occur, get

medical attention



5.	FIRE SAFETY	
	Flash Point	>170°C
	Flammable Limits	LEL 1.0
		UEL 6.0
	Autoignition Temp	>220°C
	Specific Hazards	Not classified as flammable but will burn. Hazardous combustion product may include carbon monoxide, oxides of sulphur, and unidentified organic and inorganic compounds
	Fire Fighting	Use dry chemical, foam or carbon dioxide to extinguish fire. Water may cause splattering or frothing. Use water to cool and protect fire-exposed material. Wear protective equipment during fire fighting

6. ACCIDENTAL RELEASE MEASURES

Clean-up Procedures Stop the source of leak or realease and contain spill if possible. Cover spill with generous amount of inert absorbent material such as sand of earth Sweep up and remove to suitable, clearly marked containers for disposal in accordance with local regulations. Scrub contaminated area with detergent and water. Pick up liquid with additional absorbent material and dispose as above. Wear proper protective equipment during clean-up

7. HANDLING AND STORAGE

Handling Handling temperatures should not exceed 70°C. Wear proper safety protective equipment. Wash hands thoroughly after handling. Water contamination and spillage should be avoided.

Storage Storage temperatures should be maintained between 0 to 50°C. Odorous and toxic fumes may be evolved from decomposition of product if stored above the safe temperature.

8.	EXPOSURE CONTROL/PERSONAL PROTECTION	
	Exposure Limits	Threshold Limit Values for oil mist is recommended to be controlled at 5 mg/m³ or lower for exposure of 8 hours daily
	Ventilation	Use exhaust ventilation to keep below exposure limits
	Eye Protection	Wear safety glasses or face shields if splashing is likely to occur
	Skin Protection	Avoid repeated and prolonged contact with product. Use oil resistant gloves
	Respiratory	Not normally required unless in confined
	Protection	
	Body Protection	Use proper protection equipment to avoid contact. Wear PVC apron i
		if splashes are likely to occur



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid

Colour Clear & Bright

Odour Characteristic mineral oil

Vapour Pressure <0.5 Pa at 20°C Density 0.87 g/cm³ at 15°C

Kinematic Viscosity @ 40°C 32 cSt
Kinematic Viscosity @ 100°C 5,3 cSt
Pour Point -12 °C
Flash Point > 170 °C
pH of undiluted product Not available
Auto-ignition temperature > 200°C
Solubility in water Negligible

10. STABILITY AND REACTIVITY

Stability Product is stable under normal use conditions

Thermal Carbon monoxide, carbon dioxide, oxides of sulphur and nitrogen a Decomposition organic and inorganic compound may evolve when subject to heat or

combustion

Hazardous Will not occur undeer normal conditions

Polymerisation

Incompatible Strong oxidizing agents. Strong acids

Materials



11.	TOXICOLOGICAL INFORMATION	
	Basis	No toxicological data is available for this product. Information is provided based on the addtives, other components and base stock used
	Acute Exposure - Oral	LD 50 expected to be above 2000 mg/kg.
	Acute Exposure - Skin	LD 50 expected to be above 2000 mg/kg.
	Inhaltion Eye Irritation	Repeated or prolonged exposure to oil mists may cause irritation Slight irritant
	Skin Irritation Respiratory Irritation	Not a skin irritant unless repeated or prolonged contact Slight irritant
	Carcinogenicity Mutagenicity Other Information	No data to suggest that product is carcinogenic No data to suggest that product is mutagenic Brief contact with used oil is not expected to have serious effect in humans if he oil is removed thoroughly by washing with soap and water
		Used engine oils may contain harmful impurities that have accumulate during use. The concentration of such impurities will depend on use and they present risks to health and the environment on disposal. All used oils should be handled with caution and skin contact should be avoided

12.	ECOLOGICAL INFORMATION	
	Basis	No ecological data is available for this product. Information is provided base on the additives, other components and base stock used.
	Mobility	Liquid under most environmental conditions. Floats on water. It is absorbeb by soil and will not be mobile
	Persistance/	Not readily biodegradable. Major constituents are expected to be inherently Degradability be inherently biodegradable, but the product contains components that may persist in the environment
	Bioaccumulation	Has the potential to bioaccumulate
	Ecotoxicity	Poor soluble mixture. Practically non-toxic to aquatic organisms. May caused physical fouling of aquatic organisms



13.	DISPOSAL CONSIDERATION	
	Product Disposal	Used or waste oil should be recycled or disposed off in conformity to local disposal regulations. Contact local authorities for approved disposal contractor
	Container Disposal	Empty drums should be completely drained and sent to a drum reconditioner or properly disposed of. Non-reusable small containers should be recycled ordisposed of. Ensure conformity to local disposal regulations.

14.	TRANSPORT INFORMATION	
	General Information	Not dangerous for conveyance under UN, IMO, ADR/RID and IATA.ICAO codes

15. REGULATORY INFORMATION Not Applicable.

16. OTHER INFORMATION

The above information is based on data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be unfamiliar and since data made available susequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the result of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. Therefore, no warranty either expressed or implied of merchantability or fitness for particular purpose is made with pespect to the product or the information contained herein.