



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SP HYLIS AW 32

ISO GRADE: 32

RECOMMENDED USE: Hydraulic oil

RESTRICTIONS ON USE: This product should not be used for any other purpose than that recommended without expert advice.

COMPANY IDENTIFICATION: AP SAIGON PETRO JSC

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EMERGENCY TELEPHONE: 1900 0104 (Technical Assistance)

114 (Fire)

115 (Ambulance)

2. HAZARDS IDENTIFICATION

This product is not considered to be hazardous according to regulatory guidelines.

HAZARD CLASSIFICATIONS: No significant hazard.

SIGNAL WORDS: No signal word.

HAZARD STATEMENTS: No significant hazard.

SYMBOLS: No symbol

OTHER HAZARDS: High-pressure injection under skin may cause serious damage. Excessive exposure may result in eye, skin, or respiratory irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS: Base oil and additives.

HAZARDOUS INGREDIENTS: No reportable hazardous or complex substances.

4. FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

INHALATION: No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.



SKIN CONTACT: Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention

EYE CONTACT: Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.

INGESTION: In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

NOTE TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

SPECIFIC HAZARDS: Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

SUITABLE EXTINGUISHING MEDIA: Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water in a jet.

PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

6. ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled or released material. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

PROTECTIVE MEASURES: Avoid contact with skin and eyes. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.

CLEAN UP METHODS: Slippery when spilt. Avoid accidents, clean up immediately. Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly.

ADDITIONAL ADVICE: Local authorities should be advised if significant spillages cannot be contained.

7. HANDLING AND STORAGE

GENERAL PRECAUTIONS: Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

HANDLING: Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used.



STORAGE: Store in accordance with applicable laws and regulations and material. Storage Temperature: less than 60°C

RECOMMENDED MATERIALS: For containers or container linings, use mild steel or high density polyethylene.

UNSUITABLE MATERIALS: PVC.

ADDITIONAL INFORMATION: Polyethylene containers should not be exposed to high temperatures because of possible risk of distortion.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT:

	ACGIH TLV/TWA	ACGIH STEL	OSHA PEL
Oil mist	5mg/m ³	10mg/m ³	5mg/m ³

ENGINEERING CONTROLS:

- The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider: No special requirement under ordinary conditions of use and with adequate ventilation.

PERSONAL PROTECTION:

- Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

- Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for organic gases and vapours. Where air-filtering respirators are unsuitable, use positive pressure breathing apparatus.

- Hand Protection: Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. Longer term protection: Nitrile rubber gloves. Incidental contact/Splash Protection: PVC or neoprene rubber gloves.

- Eye protection: Chemical splash goggles (chemical mono goggles)

- Skin and Body Protection: Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include: Chemical/oil resistant clothing is recommended.

- Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.



9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE :	Oily liquid
ODOUR :	Slight hydrocarbon
SPECIFIC GRAVITY (water=1.0):	0.8 to 0.9 at 15°C
FLASH POINT(METHOD) :	Min. 180°C (ASTM D92)
FLAMMABLE LIMITS :	N/D
FLAMMABILITY :	N/A
EVAPORATION RATE (Water = 1) :	<0.01
STABILITY :	Product is stable under normal conditions.
POUR POINT:	Max. -15°C
KINEMATIC VISCOSITY:	28.8-35.2 cSt at 40°C
APPEARANCE:	Bright & Clear

10. STABILITY AND REACTIVITY

STABILITY: Material is normal stable at moderately elevated temperature and pressures.

CONDITIONS TO AVOID: Extremes of temperature and direct sunlight.

MATERIALS TO AVOID: Strong acids, strong bases & strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products are not expected to form during normal storage.

PRODUCTS OF COMBUSTION: Carbon dioxide and carbon monoxide

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY: Practically non-toxic.

DERMAL TOXICITY: Practically non-toxic.

INHALATION TOXICITY: Practically non-irritation.

EYE IRRITATION: Practically non-irritation.

SKIN IRRITATION: Practically non-irritation.

12. ECOLOGICAL INFORMATION

ENVIRONMENT FATE AND EFFECTS

- This material is expected to show limited biodegradation potential base on data available for its components.

PERSISTENCE AND DEGRADABILITY

- This product is expected to be inherently biodegradable.

MOBILITY

- This material when released into the environment, adsorption to sediment and soil will be the predominant behavior.

13. DISPOSAL CONSIDERATION



WASTE DISPOSAL:

- Dispose of in accordance with applicable regulations.
- Product is suitable for burning in an enclosed, controlled burner for fuel value.
- This product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility

REMARKS:

- Releases of this product should be prevented from contaminating soil, and from entering drainage, sewer systems, and all bodies of water.
- Empty Container Warning: Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until approximately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.

14. TRANSPORT INFORMATION

LAND: Not regulated for Land Transport.

SEA (IMDG): Not regulated for Sea Transport according to IMDG-Code.

AIR (IATA): Not regulated for Air Transport.

15. REGULATORY INFORMATION

All components comply with TSCA, SARA, EEC EINECS and METI.

16. OTHER INFORMATION

N/D = Not determined, N/A = Not applicable

No specific notes on this product

DEPARTMENT ISSUING SDS: R&D, QC Department

CONTACT: Mr. Sinh.

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