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SAFETY DATA SHEET

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: EXXSOL™ HEPTANE FLUID
Product Description: Aliphatic Hydrocarbon

Intended Use: Reaction Diluent, Solvent

COMPANY IDENTIFICATION

Supplier: UNION PETROCHEMICAL PUBLIC COMPANY LIMITED

728 Union House Building, Baromratchonnani Rd.,

Bangbumru, Bangplad, Bangkok 10700

Supplier General Contact +662 881 8288

This (M)SDS is a generic document with no country specific information included.

SECTION 2

HAZARDS IDENTIFICATION

This material is hazardous according to UN GHS Criteria. Classification includes all GHS hazard classes. For hazard categories with two cut-off/concentration limits, classification was based on the higher limit.

GHS CLASSIFICATION:

Flammable liquid: Category 2. Skin irritation: Category 2.

Specific target organ toxicant (central nervous system): Category 3.

Aspiration toxicant: Category 1.

Acute aquatic toxicant: Category 2.

Chronic aquatic toxicant: Category 2.

GHS Label Elements:

Pictogram:









Signal Word: Danger

Hazard Statements:

Physical: H225: Highly flammable liquid and vapour.

Health: H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

Environmental: H411: Toxic to aquatic life with long lasting effects.

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Precautionary Statements:

Prevention: P210: Keep away from heat/sparks/open flames/hot surfaces. -- No smoking. P233: Keep container tightly closed. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical, ventilating and lighting equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P261: Avoid breathing mist / vapours. P264: Wash skin thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves and eye / face protection.

Response: P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P331: Do NOT induce vomiting. P332 + P313: If skin irritation occurs: Get medical advice/attention. P362 + P364: Take off contaminated clothing and wash it before reuse. P370 + P378: In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish. P391: Collect spillage.

Storage: P403 + P235: Store in a well-ventilated place. Keep cool. P405: Store locked up. Disposal: P501: Dispose of contents and container in accordance with local regulations.

Contains: NAPHTHA (PETROLEUM), HYDROTREATED LIGHT

Other hazard information:

PHYSICAL / CHEMICAL HAZARDS

Material can accumulate static charges which may cause an ignition. Material can release vapours that readily form flammable mixtures. Vapour accumulation could flash and/or explode if ignited.

HEALTH HAZARDS

May be irritating to the eyes, nose, throat, and lungs. May cause central nervous system depression.

ENVIRONMENTAL HAZARDS

No additional hazards.

NOTE: This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

This material is defined as a complex substance.

Hazardous Substance(s) or Complex Substance(s) required for disclosure

Name	CAS#	Concentration*	GHS Hazard Codes
NAPHTHA (PETROLEUM), HYDROTREATED LIGHT	64742-49-0	100 %	H225, H304, H336, H315, H401, H411

Hazardous Constituent(s) Contained in Complex Substance(s) required for disclosure

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Name	CAS#	Concentration*	GHS Hazard Codes
2,3-DIMETHYLPENTANE	565-59-3	5 - < 10%	H225, H304, H336, H315, H400(M factor 1), H410(M factor 1)
2,4-DIMETHYLHEXANE	589-43-5	1 - < 5%	H225, H304, H336, H315, H400(M factor 1), H410(M factor 1)
3,3-DIMETHYLPENTANE	562-49-2	0 - 1%	H225, H304, H336, H315, H400(M factor 1), H410(M factor 1)
3-ETHYLPENTANE	617-78-7	1 - < 5%	H225, H304, H336, H315, H400(M factor 1), H410(M factor 1)
3-METHYLHEXANE	589-34-4	20 - < 30%	H225, H304, H336, H315, H400(M factor 1), H410(M factor 1)
HEXANE, 2-METHYL-	591-76-4	10 - < 20%	H225, H304, H336, H315, H400(M factor 1), H410(M factor 1)
METHYLCYCLOHEXANE	108-87-2	1 - < 5%	H225, H304, H336, H315, H400(M factor 1), H410(M factor 1)
N-HEPTANE	142-82-5	30 - < 40%	H225, H304, H336, H315, H400(M factor 1), H410(M factor 1)

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Concentration values may vary.

SECTION 4

FIRST AID MEASURES

INHALATION

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

SKIN CONTACT

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

EYE CONTACT

Flush thoroughly with water. If irritation occurs, get medical assistance.

INGESTION

Seek immediate medical attention. Do not induce vomiting.

ACUTE AND DELAYED SYMPTOMS/EFFECTS

See Toxicological Section

NOTE TO PHYSICIAN

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately. This material, or a component, may be associated with cardiac sensitization following very high exposures (well above occupational exposure limits) or with concurrent exposure to high stress levels or heart-stimulating substances like epinephrine. Administration of such substances should be avoided.

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SECTION 5

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Use foam, dry chemical, or carbon dioxide (CO₂) to

extinguish flames.

Inappropriate Extinguishing Media: Straight streams of water

FIRE FIGHTING

Fire Fighting Instructions: Evacuate area. If a leak or spill has not ignited, use water spray to disperse the vapours and to protect personnel attempting to stop a leak. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Unusual Fire Hazards: Highly flammable. Vapour is flammable and heavier than air. Vapour may travel across the ground and reach remote ignition sources, causing a flashback fire danger. Hazardous material. Firefighters should consider protective equipment indicated in Section 8.

Hazardous Combustion Products: Incomplete combustion products, Oxides of carbon, Smoke, Fume

FLAMMABILITY PROPERTIES

Flash Point [Method]: -9°C (16°F) [ASTM D-56]

Flammable Limits (Approximate volume % in air): LEL: 1.1 UEL: 7.0

Autoignition Temperature: 265°C (509°F) [Extrapolated]

SECTION 6

ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

PROTECTIVE MEASURES

Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material. See Section 5 for fire fighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

For emergency responders: Respiratory protection: half-face or full-face respirator with filter(s) for organic vapor and, when applicable, H2S, or Self Contained Breathing Apparatus (SCBA) can be used depending on the size of spill and potential level of exposure. If the exposure cannot be completely characterized or an oxygen deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant to aromatic hydrocarbons are recommended. Note: gloves made of polyvinyl acetate (PVA) are not water-resistant and are not suitable for emergency use. Chemical goggles are recommended if splashes or contact with eyes is possible. Small spills: normal antistatic work clothes are usually adequate. Large spills: full body suit of chemical resistant, antistatic material is recommended.

SPILL MANAGEMENT

Land Spill: Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Prevent entry into waterways, sewer, basements or confined areas. A vapour-

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suppressing foam may be used to reduce vapour. Use clean non-sparking tools to collect absorbed material. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Large Spills: Water spray may reduce vapour, but may not prevent ignition in enclosed spaces.

Water Spill: Stop leak if you can do so without risk. Eliminate sources of ignition. Warn other shipping. If the Flash Point exceeds the Ambient Temperature by 10 deg C or more, use containment booms and remove from the surface by skimming or with suitable absorbents when conditions permit. If the Flash Point does not exceed the Ambient Air Temperature by at least 10C, use booms as a barrier to protect shorelines and allow material to evaporate. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

ENVIRONMENTAL PRECAUTIONS

Large Spills: Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

SECTION 7

HANDLING AND STORAGE

HANDLING

Avoid contact with skin. Prevent exposure to ignition sources, for example use non-sparking tools and explosion-proof equipment. Potentially toxic/irritating fumes/vapour may be evolved from heated or agitated material. Use only with adequate ventilation. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or ground procedures. However, bonding and grounds may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance. Additional references include American Petroleum Institute 2003 (Protection Against Ignitions Arising out of Static, Lightning and Stray Currents) or National Fire Protection Agency 77 (Recommended Practice on Static Electricity) or CENELEC CLC/TR 50404 (Electrostatics - Code of practice for the avoidance of hazards due to static electricity).

Loading/Unloading Temperature: [Ambient]

Transport Temperature: [Ambient]
Transport Pressure: [Ambient]

Static Accumulator: This material is a static accumulator. A liquid is typically considered a nonconductive, static accumulator if its conductivity is below 100 pS/m (100x10E-12 Siemens per meter) and is considered a semiconductive, static accumulator if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semiconductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, anti-static additives and filtration can greatly influence the conductivity of a liquid.

STORAGE

Ample fire water supply should be available. A fixed sprinkler/deluge system is recommended. The type of container used to store the material may affect static accumulation and dissipation. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Outside or detached storage preferred. Storage containers should be earthed and bonded. Fixed storage containers, transfer containers and associated equipment should be earthed and bonded to prevent accumulation of static charge

Storage Temperature: [Ambient]

Suitable Containers/Packing: Tank Trucks; Drums; Barges; Tank Cars

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Suitable Materials and Coatings (Chemical Compatibility): Carbon Steel; Stainless Steel; Teflon;

Polyethylene; Polypropylene

Unsuitable Materials and Coatings: Butyl Rubber; Natural Rubber; Ethylene-propylene-diene monomer

(EPDM); Polystyrene

SECTION 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters/Exposure limits:

Exposure limits/standards (Note: Exposure limits are not additive)

Substance Name	Form	Limit/Stand	dard		Note	Source	Year
2,3-DIMETHYLPENTANE		STEL	500 ppm			ACGIH	2019
2,3-DIMETHYLPENTANE		TWA	400 ppm			ACGIH	2019
2,4-DIMETHYLHEXANE		TWA	300 ppm			ACGIH	2019
3,3-DIMETHYLPENTANE		STEL	500 ppm			ACGIH	2019
3,3-DIMETHYLPENTANE		TWA	400 ppm			ACGIH	2019
3-ETHYLPENTANE		STEL	500 ppm			ACGIH	2019
3-ETHYLPENTANE		TWA	400 ppm			ACGIH	2019
3-METHYLHEXANE		STEL	500 ppm			ACGIH	2019
3-METHYLHEXANE		TWA	400 ppm			ACGIH	2019
HEXANE, 2-METHYL-		STEL	500 ppm			ACGIH	2019
HEXANE, 2-METHYL-		TWA	400 ppm			ACGIH	2019
METHYLCYCLOHEXANE		TWA	400 ppm			ACGIH	2019
N-HEPTANE		STEL	500 ppm			ACGIH	2019
N-HEPTANE		TWA	400 ppm			ACGIH	2019
NAPHTHA (PETROLEUM), HYDROTREATED LIGHT	Vapour	RCP-TWA	1600 mg/m ³	395 ppm	Total Hydrocarbons	ExxonMobil	2010

Biological limits

No biological limits allocated

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

ENGINEERING CONTROLS

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider:

Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

PERSONAL PROTECTION

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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 contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:

Half-face filter respirator Type A filter material.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

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. The types of gloves to be considered for this material include:

Chemical resistant gloves are recommended. Nitrile

Eye Protection: If contact is likely, safety glasses with side shields are recommended.

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.

ENVIRONMENTAL CONTROLS

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

GENERAL INFORMATION

Physical State: Liquid

Form: Clear

Colour: Colourless

Odour: Slight

Odour Threshold: N/D

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IMPORTANT HEALTH, SAFETY, and ENVIRONMENT INFORMATION

Relative Density (at 15.6 °C): 0.7 [With respect to water] [Calculated] **Density (at 15.6°C):** 700kg/m³ (5.84 lbs/gal, 0.7 kg/dm³ [Calculated]

Flammability (Solid, Gas): N/A

Flash Point [Method]: -9°C (16°F) [ASTM D-56]

Flammable Limits (Approximate volume % in air): LEL: 1.1 UEL: 7.0

Autoignition Temperature: 256°C (509°F) [Extrapolated] **Boiling Point/Range:** 94°C (201°F) - 99°C (210°F) [ASTM D86]

Decomposition Temperature: N/D

Vapour Density (Air = 1): 3.5 at 101 kPa [Calculated]
Vapour Pressure: 5 kPa (37.5 mm Hg) at 20 °C [Calculated]
Evaporation Rate (n-butyl acetate = 1): 5 [Calculated]

pH: N/A

Log Pow (n-Octanol/Water Partition Coefficient): > 4 [Estimated]

Solubility in Water: Negligible

Viscosity: 0.5 cSt (0.5 mm²/sec) at 40°C | 0.6 cSt (0.6 mm²/sec) at 25°C [Calculated]

Oxidizing Properties: See Hazards Identification Section

OTHER INFORMATION

Freezing Point: N/D Melting Point: N/A

Pour Point: -57°C (-71°F) [ASTM D5950] **Molecular Weight:** 101 g/mol [Calculated]

Hygroscopic: No

Coefficient of Thermal Expansion: 0.00088 per Deg C [Calculated]

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Avoid heat, sparks, open flames and other ignition sources.

MATERIALS TO AVOID: Strong oxidisers

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Hazard Class	Conclusion/Remarks	
Inhalation		
Acute Toxicity: (Rat) 4 hour(s) LC50 > 23.3 mg/l	Minimally Toxic. Based on test data for structurally similar materials.	
(Vapour)	Test(s) equivalent or similar to OECD Guideline 403	
Irritation: No end point data for material.	Elevated temperatures or mechanical action may form vapours, mist, or	
	fumes which may be irritating to the eyes, nose, throat, or lungs.	
Ingestion		
Acute Toxicity (Rat): LD50 > 5840 mg/kg	Minimally Toxic. Based on test data for structurally similar materials.	
	Test(s) equivalent or similar to OECD Guideline 401	

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skin		
Acute Toxicity (Rabbit): LD50 > 2920 mg/kg	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 402	
Skin Corrosion/Irritation: Data available.	Irritating to the skin. Based on test data for structurally similar material Test(s) equivalent or similar to OECD Guideline 404	
Eye		
Serious Eye Damage/Irritation: Data available.	May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 405	
Sensitisation		
Respiratory Sensitization: No end point data for material.	Not expected to be a respiratory sensitizer.	
Skin Sensitization: Data available.	Not expected to be a skin sensitizer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 406	
Aspiration: Data available.	May be fatal if swallowed and enters airways. Based on physico- chemical properties of the material.	
Germ Cell Mutagenicity: Data available.	Not expected to be a germ cell mutagen. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 471 473 476	
Carcinogenicity: No end point data for material.	Not expected to cause cancer.	
Reproductive Toxicity: Data available.	Not expected to be a reproductive toxicant. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 414 416	
Lactation: No end point data for material.	Not expected to cause harm to breast-fed children.	
Specific Target Organ Toxicity (STOT)		
Single Exposure: No end point data for material.	May cause drowsiness or dizziness.	
Repeated Exposure: Data available.	Not expected to cause organ damage from prolonged or repeated exposure. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 413	

OTHER INFORMATION

For the product itself:

Vapour/aerosol concentrations above recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anaesthesia, drowsiness, unconsciousness and other central nervous system effects including death. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema. Exposure to this material, or one of its components, in situations where there is the potential for high levels, such as in confined spaces or with abuse, may result in abnormal heart rhythm (arrhythmia). High-level exposure to hydrocarbons (above occupational exposure limits) may initiate arrhythmia in a worker that is undergoing stress or is taking a heart-stimulating substance such as epinephrine, a nasal decongestant, or an asthma or cardiovascular drug.

IARC Classification:

The following ingredients are cited on the lists below: None.

--REGULATORY LISTS SEARCHED--

1 = IARC 1 2 = IARC 2A 3 = IARC 2B

SECTION 12 ECOLOGICAL INFORMATION

The information given is based on data for the material, components of the material, or for similar materials, through the application of bridging principals.

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ECOTOXICITY

Material -- Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

MOBILITY

Material -- Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids

PERSISTENCE AND DEGRADABILITY

Biodegradation:

Material -- Expected to be readily biodegradable.

Hydrolysis:

Material -- Transformation due to hydrolysis not expected to be significant.

Photolysis:

Material -- Transformation due to photolysis not expected to be significant.

Atmospheric Oxidation:

Material -- Expected to degrade rapidly in air

SECTION 13

DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

DISPOSAL RECOMMENDATIONS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

Empty Container Warning Empty Container Warning (where applicable): 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 appropriately 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 PRESSURISE, 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.

SECTION 14

TRANSPORT INFORMATION

LAND (ADR/RID)

Proper Shipping Name: HEPTANES

Hazard Class: 3
Hazchem Code: 3YE
UN Number: 1206
Packing Group: ||

Label(s) / Mark(s): 3, EHS

SEA (IMDG)

Proper Shipping Name: HEPTANES Hazard Class & Division: 3
EMS Number: F-E, S-D
UN Number: 1206

Packing Group:

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UNION PETRO

Marine Pollutant: Yes

Label(s): 3

Transport Document Name: UN1206, HEPTANES, 3, PG II, (-9°C c.c.), MARINE POLLUTANT

SEA (MARPOL 73/78 Convention - Annex II)

Product Name: HEPTANE (ALL ISOMER)

Ship type: 2

Pollution category: X

AIR (IATA)

Proper Shipping Name: HEPTANES **Hazard Class & Division:** 3

UN Number: 1206
Packing Group: ||
Label(s) / Mark(s): 3

Transport Document Name: UN1206, HEPTANES, 3, PG II

SECTION 15

REGULATORY INFORMATION

Material is hazardous according to UN GHS Criteria.

REGULATORY STATUS AND APPLICABLE LAWS AND REGULATIONS

Listed or exempt from listing/notification on the following chemical inventories (May contain substance(s) subject to notification to the EPA Active TSCA inventory prior to import to USA): AllC, DSL, ENCS, IECSC, KECI, PICCS, TCSI, TSCA

The national inventory listings are based on the CAS number or numbers listed below.

CAS
92045-53-9
64742-49-0

SECTION 16

OTHER INFORMATION

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

KEY TO THE H-CODES CONTAINED IN SECTION 3 OF THIS DOCUMENT (for information only):

H225: Highly flammable liquid and vapor; Flammable Liquid, Cat 2

H304: May be fatal if swallowed and enters airways; Aspiration, Cat 1

H315: Causes skin irritation; Skin Corr/Irritation, Cat 2

H336: May cause drowsiness or dizziness; Target Organ Single, Narcotic

H400: Very toxic to aquatic life; Acute Env Tox, Cat 1

H401: Toxic to aquatic life; Acute Env Tox, Cat 2

H410: Very toxic to aquatic life with long lasting effects; Chronic Env Tox, Cat 1

H411: Toxic to aquatic life with long lasting effects; Chronic Env Tox, Cat 2

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

Section 09: Molecular Weight information was modified.

Section 14: EMS Number information was modified.

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