SAFETY DATA SHEET

Liquid HE® 150 Polymer

Version 2.14

Revision Date 2017-05-18

A DIVISION OF CHEVRON PHILLIPS CHEMICAL COMPANY LP

SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product information** Product Name : Liquid HE® 150 Polymer Material : 1112193, 1107988, 1103427, 1105173 : Oilfield Fluids Additive Use Company : Chevron Phillips Chemical Company LP **Drilling Specialties Company LLC** 10001 Six Pines Drive The Woodlands, TX 77380 **Emergency telephone:** Health: 866.442.9628 (North America) 1.832.813.4984 (International) Transport: CHEMTREC 800.424.9300 or 703.527.3887(int'l) Asia: CHEMWATCH (+612 9186 1132) EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Mexico CHEMTREC 01-800-681-9531 (24 hours) South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 Responsible Department : Product Safety and Toxicology Group E-mail address : SDS@CPChem.com Website : www.CPChem.com **SECTION 2: Hazards identification** Classification of the substance or mixture This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard. Classification : Flammable liquids, Category 4 Labeling SDS Number:100000014589 1/15

sion 2.14			Revision Date 2017-0
Signal Word	: Warni	ng	
Hazard Statements	: H22	7: Combustible liquid	l.
Precautionary Statements	P280 Respo P370 alcoho Stora P403 Dispo P501	Keep away from he noking. Wear protective gle onse: + P378 In case of pl-resistant foam to e ge: + P235 Store in a osal:	eat/sparks/open flames/hot surfaces oves/ eye protection/ face protectior fire: Use dry sand, dry chemical or xtinguish. well-ventilated place. Keep cool. ss/ container to an approved waste
Carcinogenicity:			
IARC	No inare	edient of this product	present at levels greater than or
	equal to	0.1% is identified as	probable, possible or confirmed
NTP	No ingre		present at levels greater than or a known or anticipated carcinogen
TION 3: Composition/infor	: Liquid	Acid Gelling Agent	
		Acid Gelling Agent	
Synonyms Molecular formula	: Liquid	Acid Gelling Agent	Weight %
Synonyms	: Liquid	Acid Gelling Agent	Weight % 0 - 60
Synonyms Molecular formula Component C12-C14 Isoalkanes Distillates (petroleum), hydro	: Liquid : Mixtur	Acid Gelling Agent re CAS-No.	
Synonyms Molecular formula Component C12-C14 Isoalkanes	: Liquid : Mixtur	Acid Gelling Agent re CAS-No. 68551-19-9	0 - 60
Synonyms Molecular formula Component C12-C14 Isoalkanes Distillates (petroleum), hydro light	: Liquid : Mixtur	CAS-No. 68551-19-9 64742-47-8	0 - 60 0 - 60
Synonyms Molecular formula Component C12-C14 Isoalkanes Distillates (petroleum), hydro light Polymerization bottoms TION 4: First aid measures	: Liquid : Mixtur	Acid Gelling Agent re CAS-No. 68551-19-9 64742-47-8 64741-71-5	0 - 60 0 - 60 0 - 60
Synonyms Molecular formula Component C12-C14 Isoalkanes Distillates (petroleum), hydro light Polymerization bottoms TION 4: First aid measures General advice	: Liquid : Mixtur otreated : No ha	Acid Gelling Agent re CAS-No. 68551-19-9 64742-47-8 64741-71-5 zards which require s	0 - 60 0 - 60 0 - 60 special first aid measures.
Synonyms Molecular formula Component C12-C14 Isoalkanes Distillates (petroleum), hydro light Polymerization bottoms TION 4: First aid measures	: Liquid : Mixtur otreated : No ha : Move	Acid Gelling Agent re CAS-No. 68551-19-9 64742-47-8 64741-71-5 zards which require s to fresh air. If uncon	0 - 60 0 - 60 0 - 60
Synonyms Molecular formula Component C12-C14 Isoalkanes Distillates (petroleum), hydro light Polymerization bottoms TION 4: First aid measures General advice	: Liquid : Mixtur otreated : No ha : No ha : Move and se	Acid Gelling Agent re CAS-No. 68551-19-9 64742-47-8 64741-71-5 zards which require s to fresh air. If uncon eek medical advice.	0 - 60 0 - 60 0 - 60 special first aid measures. scious, place in recovery position
Synonyms Molecular formula Component C12-C14 Isoalkanes Distillates (petroleum), hydro light Polymerization bottoms TION 4: First aid measures General advice If inhaled	: Liquid : Mixtur otreated : No ha : Move and se : If on s : Flush lenses	Acid Gelling Agent re CAS-No. 68551-19-9 64742-47-8 64741-71-5 64741-71-5 zards which require s to fresh air. If uncon eek medical advice. skin, rinse well with w eyes with water as a s. Protect unharmed	0 - 60 0 - 60 0 - 60 special first aid measures. scious, place in recovery position If symptoms persist, call a physiciar
Synonyms Molecular formula Component C12-C14 Isoalkanes Distillates (petroleum), hydro light Polymerization bottoms TION 4: First aid measures General advice If inhaled In case of skin contact	: Liquid : Mixtur otreated : No ha : No ha : Move and se : If on s : Flush lenses rinsing : Keep	Acid Gelling Agent re CAS-No. 68551-19-9 64742-47-8 64741-71-5 zards which require s to fresh air. If uncon eek medical advice. skin, rinse well with w eyes with water as a s. Protect unharmed g. If eye irritation per respiratory tract clear	0 - 60 0 - 60 0 - 60 special first aid measures. scious, place in recovery position If symptoms persist, call a physiciar ater. If on clothes, remove clothes. precaution. Remove contact eye. Keep eye wide open while

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SECTION 5: Firefighting measu	res	
Flash point	:	87 °C (188 °F) Method: Tag closed cup
Autoignition temperature	:	232 °C (450 °F)
Suitable extinguishing media	:	Carbon dioxide (CO2).
Unsuitable extinguishing media	:	High volume water jet.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary. Wear self-contained breathing apparatus for firefighting if necessary.
Further information	:	For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Fire and explosion protection	:	Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.
		Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.
Hazardous decomposition products	:	Carbon oxides.
SECTION 6: Accidental release	me	asures
Environmental precautions	:	Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods for cleaning up	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.
SECTION 7: Handling and stora	ge	
Handling		
Advice on safe handling	:	Avoid formation of aerosol. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.
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Advice on protection against fire and explosion	:	Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition. Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.
Storage		
Requirements for storage areas and containers	:	No smoking. Keep container tightly closed in a dry and well- ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards. No smoking. Keep in a well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Chevron Phillips Chemical Company LP

l'enerient innpe enerieur eempany i					
Ingredients	Basis	Value	Control parameters	Note	
C12-C14 Isoalkanes	Manufacturer	TWA	1,200 mg/m3	RCP,	
RCP Reciprocal Calculation Proc	edure				
US					
Ingredients	Basis	Value	Control parameters	Note	

Engineering measures

Adequate ventilation to control airborned concentrations below the exposure guidelines/limits. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Personal protective equipment

Respiratory protection	: Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure. Wear a NIOSH approved respirator that provides protection when working with this material if exposure to harmful levels of airborne material may occur, such as:. Air-Purifying Respirator for Organic Vapors. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.
Hand protection	: The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the
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		contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Eye protection	:	Eye wash bottle with pure water. Tightly fitting safety goggles.
Skin and body protection	:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate:. Flame-resistant clothing. Footwear protecting against chemicals.
Hygiene measures	:	Wash hands before breaks and at the end of workday.
ECTION 9: Physical and cher	nica	properties

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ppearance	
hysical state color odor	: Liquid : White : Slight hydrocarbon
afety data	
lash point	: 87 °C (188 °F) Method: Tag closed cup
ower explosion limit	: No data available
pper explosion limit	: No data available
oxidizing properties	: No
utoignition temperature	: 232 °C (450 °F)
lolecular formula	: Mixture
Iolecular weight	: Not applicable
н	: 7
reezing point	: No data available
oiling point/boiling range	: 223 - 244 °C (433 - 471 °F)
apor pressure	: 0.01 PSI at 25 °C (77 °F)
elative density	: 0.96 at 15.6 °C (60.1 °F)
ensity	: 958.6 g/l
vater solubility	: dispersible
artition coefficient: n- ctanol/water	: No data available
ctanol/water Tiscosity, kinematic	: 79007 cSt

uid UE® 150 Polym	
uid HE® 150 Polyme	Revision Date 2017-05
Relative vapor density	: 3 (Air = 1.0)
Evaporation rate	: <1
TION 10: Stability and react	ivity
Chemical stability	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous rea	ctions
Conditions to avoid	 Avoid contact with strong oxidizers. Avoid contact with heat, light,catalysts, halogens or any other chemicals. Avoid high temperatures Heat, flames and sparks.
Materials to avoid	: May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Hazardous decomposition products	: Carbon oxides
Other data	: No decomposition if stored and applied as directed.
CTION 11: Toxicological infor	· · ·
CTION 11: Toxicological infor Acute oral toxicity	rmation
CTION 11: Toxicological infor	· · ·
CTION 11: Toxicological infor Acute oral toxicity	rmation : LD50: > 5000 milligram per kilogram Species: Rat Method: OECD Test Guideline 401 Information given is based on data obtained from similar
CTION 11: Toxicological infor Acute oral toxicity C12-C14 Isoalkanes Distillates (petroleum),	rmation : LD50: > 5000 milligram per kilogram Species: Rat Method: OECD Test Guideline 401 Information given is based on data obtained from similar substances.
CTION 11: Toxicological infor Acute oral toxicity C12-C14 Isoalkanes Distillates (petroleum), hydrotreated light	rmation : LD50: > 5000 milligram per kilogram Species: Rat Method: OECD Test Guideline 401 Information given is based on data obtained from similar substances. No data available LD50: > 5,000 mg/kg
CTION 11: Toxicological infor Acute oral toxicity C12-C14 Isoalkanes Distillates (petroleum), hydrotreated light Polymerization bottoms	rmation : LD50: > 5000 milligram per kilogram Species: Rat Method: OECD Test Guideline 401 Information given is based on data obtained from similar substances. No data available LD50: > 5,000 mg/kg
CTION 11: Toxicological infor Acute oral toxicity C12-C14 Isoalkanes Distillates (petroleum), hydrotreated light Polymerization bottoms Acute inhalation toxicity	 rmation LD50: > 5000 milligram per kilogram Species: Rat Method: OECD Test Guideline 401 Information given is based on data obtained from similar substances. No data available LD50: > 5,000 mg/kg Species: Rat LC50: > 5.0milligram per literExposure time: 4 h Species: Rat Test atmosphere: vapor Method: OECD Test Guideline 403 An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration. Information given is based on data obtained from similar

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hydrotreated light	
Acute dermal toxicity	
Distillates (petroleum), hydrotreated light	: No data available
Polymerization bottoms	LD50: > 2,000 mg/kg Species: Rat
Liquid HE® 150 Polymer Skin irritation	: No skin irritation
Liquid HE® 150 Polymer Eye irritation	: No eye irritation
Liquid HE® 150 Polymer Sensitization	: Not a skin sensitizer.
Repeated dose toxicity	
C12-C14 Isoalkanes	 Species: Monkey Application Route: Inhalation Dose: 0, 654 ppm Exposure time: 4 wk Number of exposures: 6 h/d, 3 d/wk NOEL: > 654 ppm Method: OECD Test Guideline 412
	Species: Rat, male and female Sex: male and female Application Route: oral gavage Dose: 0, 25, 150, 1000 mg/kg/d Exposure time: 4 wk Number of exposures: daily NOEL: >= 1000 mg/kg/d Method: OECD Guideline 422 Information given is based on data obtained from similar substances.
Polymerization bottoms	No adverse effects expected
Reproductive toxicity	
C12-C14 Isoalkanes	 Species: Rat Sex: male Application Route: oral gavage Dose: 0, 750, 1500, 3000 mg/kg/bw/d Number of exposures: daily Test period: 90 d Method: OECD Test Guideline 415 NOAEL Parent: >= 3000 mg/kg/bw/d Information given is based on data obtained from similar substances.
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	Species: Rat Sex: female Application Route: oral gavage Dose: 0, 750, 1500 mg/kg/bw/d Number of exposures: daily Test period: 90 d Method: OECD Test Guideline 415 NOAEL Parent: >= 1500 mg/kg/bw/d NOAEL F1: 750 mg/kg/bw/d Information given is based on data obtained from similar substances. Species: Rat Sex: male and female Application Route: inhalation (vapor)
	Dose: 100, 300 ppm Number of exposures: 6 h/d/5d/wk Test period: 8 wk Method: OECD Guideline 421 NOAEL Parent: >= 300 ppm
	NOAEL F1: >= 300 ppm Information given is based on data obtained from similar substances.
Polymerization bottoms	No adverse effects expected
Developmental Toxicity	
C12-C14 Isoalkanes	 Species: Rat Application Route: Inhalation Dose: 100, 300 ppm Exposure time: GD 6-15 Number of exposures: 6 h/d NOAEL Teratogenicity: >= 300 ppm Information given is based on data obtained from similar substances.
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	Species: Rat Application Route: Inhalation Dose: 300, 900 ppm Exposure time: GD 6-15 Number of exposures: 6 h/d Method: OECD Guideline 414 NOAEL Teratogenicity: >= 900 ppm NOAEL Maternal: >= 900 ppm Information given is based on data obtained from similar substances.
	Species: Rat Application Route: oral gavage Dose: 0, 500, 1000, 1500 mg/kg/d Exposure time: GD 6-15 Number of exposures: Daily Method: OECD Guideline 414 NOAEL Teratogenicity: 1,000 mg/kg NOAEL Maternal: 500 mg/kg Information given is based on data obtained from similar substances.
Liquid HE® 150 Polymer Aspiration toxicity	: No aspiration toxicity classification.
CMR effects	
C12-C14 Isoalkanes	 Carcinogenicity: Limited evidence of carcinogenicity in animal studies Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects., In vivo tests did not show mutagenic effects Teratogenicity: Animal testing did not show any effects on fetal development. Reproductive toxicity: No adverse effects expected
Liquid HE® 150 Polymer Further information	: High concentration of vapors may cause irritation to eyes and respiratory system and produce narcotic effects. Solvents may degrease the skin.
SECTION 12: Ecological informa	tion
Toxicity to fish	
C12-C14 Isoalkanes	 LL50: > 1,000 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout) semi-static test Method: OECD Test Guideline 203 Information given is based on data obtained from similar substances.
Polymerization bottoms	LL50: > 1,000 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout)
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Toxicity to daphnia and oth	her aquatic invertebrates
C12-C14 Isoalkanes	 EL50: > 1,000 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) static test Method: OECD Test Guideline 202 Information given is based on data obtained from similar substances.
Distillates (petroleum), hydrotreated light	EL50: > 100 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) static test Method: OECD Test Guideline 202 Aquatic toxicity is unlikely due to low solubility.
Polymerization bottoms	EL50: > 100 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) static test Method: OECD Test Guideline 202
Toxicity to algae	
C12-C14 Isoalkanes	 EL50: > 1,000 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (green algae) Growth inhibition Method: OECD Test Guideline 201 Information given is based on data obtained from similar substances.
Polymerization bottoms	EL50: > 1,000 mg/l Exposure time: 96 h Species: Selenastrum capricornutum (green algae)
Toxicity to fish (Chronic to	vxicity)
C12-C14 Isoalkanes	: NOELR: 0.316 mg/l Exposure time: 28 d Species: Oncorhynchus mykiss (rainbow trout) Method: QSAR modeled data
Toxicity to daphnia and ot	her aquatic invertebrates (Chronic toxicity)
Polymerization bottoms	 NOEC: 5 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) static renewal Method: OECD Test Guideline 211
Elimination information (pers	sistence and degradability)
Biodegradability	 Taking into consideration the properties of several ingredient the product is estimated not to be readily biodegradable according to OECD classification.
Ecotoxicology Assessmen	

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Results of PBT assessment C12-C14 Isoalkanes Polymerization bottoms	 Non-classified PBT substance, Non-classified vPvB substance Non-classified PBT substance, Non-classified vPvB substance
Additional ecological information	: This material is not expected to be harmful to aquatic organisms.

SECTION 13: Disposal considerations

The information in this SDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product	 Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	 Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

Testing (ASTM D4206) has shown product does not sustain combustion.

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

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IATA (INTERNATIONAL A	IR TRANSPORT ASSOCIATION) A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR
	ANGEROUS GOODS BY ROAD (EUROPE)) A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR 7 THIS AGENCY.
DANGEROUS GOODS (EL	A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR
OF DANGEROUS GOODS	EMENT CONCERNING THE INTERNATIONAL CARRIAGE BY INLAND WATERWAYS) A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR 7 THIS AGENCY.
nsport in bulk according to	o Annex II of MARPOL 73/78 and the IBC Code
TION 15: Regulatory infor	
CTION 15: Regulatory infor National legislation SARA 311/312 Hazards	mation
CTION 15: Regulatory infor National legislation SARA 311/312 Hazards	mation : Fire Hazard
CTION 15: Regulatory infor National legislation SARA 311/312 Hazards EPCRA - EMERGENCY PLA CERCLA Reportable	mation : Fire Hazard ANNING COMMUNITY RIGHT - TO – KNOW : This material does not contain any components with a CERCLA
CTION 15: Regulatory infor National legislation SARA 311/312 Hazards EPCRA - EMERGENCY PL CERCLA Reportable Quantity SARA 302 Reportable	mation : Fire Hazard ANNING COMMUNITY RIGHT - TO – KNOW : This material does not contain any components with a CERCLA RQ. : This material does not contain any components with a SARA
CTION 15: Regulatory infor National legislation SARA 311/312 Hazards EPCRA - EMERGENCY PLA CERCLA Reportable Quantity SARA 302 Reportable Quantity SARA 302 Threshold	mation : Fire Hazard ANNING COMMUNITY RIGHT - TO – KNOW : This material does not contain any components with a CERCLA RQ. : This material does not contain any components with a SARA 302 RQ. : No chemicals in this material are subject to the reporting
CTION 15: Regulatory infor National legislation SARA 311/312 Hazards EPCRA - EMERGENCY PL CERCLA Reportable Quantity SARA 302 Reportable Quantity SARA 302 Threshold Planning Quantity SARA 304 Reportable	mation : Fire Hazard ANNING COMMUNITY RIGHT - TO – KNOW : This material does not contain any components with a CERCLA RQ. : This material does not contain any components with a SARA 302 RQ. : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. : This material does not contain any components with a section

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Dzone-Depletion: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).			
This product does not contain a Act Section 112 (40 CFR 61).	ny hazardous air pollutants (HAP), as defined by the U.S. Clean A		
This product does not contain a Accidental Release Prevention	ny chemicals listed under the U.S. Clean Air Act Section 112(r) fo (40 CFR 68.130, Subpart F).		
This product does not contain a Intermediate or Final VOC's (40	ny chemicals listed under the U.S. Clean Air Act Section 111 SOC CFR 60.489).		
JS State Regulations			
Pennsylvania Right To Know :	Distillates (petroleum), hydrotreated light - 64742-47-8		
California Prop. 65 : Ingredients	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.		
Notification status Europe REACH United States of America (USA)	 A substance or substances in this product is not registered or notified to be registered. Importation or manufacture of this product is still permitted provided that it does not exceed the REACH minimum threshold quantity of the non-regulated substances. On TSCA Inventory 		
TSCA Switzerland CH INV Canada DSL Australia AICS New Zealand NZIoC Japan ENCS Korea KECI Philippines PICCS China IECSC	 Not in compliance with the inventory All components of this product are on the Canadian DSL On the inventory, or in compliance with the inventory Not in compliance with the inventory On the inventory, or in compliance with the inventory 		

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SECTION 16: Other information

NFPA Classification	: Health Hazard: 1 Fire Hazard: 1 Reactivity Hazard: 0	
Further information		
Legacy SDS Number	: CPC00496	

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product as shipped.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

ACGIH	American Conference of	LD50	Lethal Dose 50%
	Government Industrial Hygienists		
AICS	Australia, Inventory of Chemical	LOAEL	Lowest Observed Adverse Effe
	Substances		Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agenc
NDSL	Canada, Non-Domestic	NIOSH	National Institute for Occupatio
	Substances List		Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of
			Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect
			Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentra
EGEST	EOSCA Generic Exposure	OSHA	Occupational Safety & Health
	Scenario Tool		Administration
EOSCA	European Oilfield Specialty	PEL	Permissible Exposure Limit
	Chemicals Association		
EINECS	European Inventory of Existing	PICCS	Philippines Inventory of
	Chemical Substances		Commercial Chemical Substar
MAK	Germany Maximum Concentration	PRNT	Presumed Not Toxic
	Values		
GHS	Globally Harmonized System	RCRA	Resource Conservation Recov
			Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and
			Reauthorization Act.
IARC	International Agency for Research	TLV	Threshold Limit Value
	on Cancer		
IECSC	Inventory of Existing Chemical	TWA	Time Weighted Average
	Substances in China		
ENCS	Japan, Inventory of Existing and	TSCA	Toxic Substance Control Act
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	New Chemical Substances		
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		