SAFETY DATA SHEET



Ethyl n-Octyl Sulfide

Version 1.7

Revision Date 2022-08-29

TION 1: Identification of	ne substance/mixture and of the company/undertaking	1
Product information		
Product Name Material	 Ethyl n-Octyl Sulfide 1126472, 1024543, 1029742, 1024540, 1024542, 10 1104919 	024541,
Use	: Chemical intermediate	
Company	 Chevron Phillips Chemical Company LP Specialty Chemicals 10001 Six Pines Drive The Woodlands, TX 77380 	
Emergency telephone:		
Asia: CHEMWATCH (+ Mexico CHEMTREC 0 South America SOS-Co Argentina: +(54)-11598 EUROPE: BIG +32.14. Austria: VIZ +43 1 406 Belgium: 070 245 245 (Bulgaria: +359 2 9154 3 Croatia: +3851 2348 34 Cyprus: 1401 Czech Republic: Toxico Denmark: Danish Poiso Estonia: BIG +32.14.58 Finland: 0800 147 111 France: ORFILA numb Germany: BIG +32.14.58 Greece: (0030) 210779 Hungary: +36-80-201-1 Iceland: 543 2222 (24 F Ireland: BIG +32.14.58	84545 (phone) or +32.14583516 (telefax) 3 43 (24 hours/day, 7 days/week) 24 hours/day, 7 days/week) 33 2 (24 hours/day, 7 days/week) ogical Information Center +420 224 919 293, +420 224 91 n Center (Giftlinjen): +45 8212 1212 1545 (phone) or +32.14583516 (telefax) 09 471 977 (24 hours/day) r (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/wee 84545 (phone) or +32.14583516 (telefax) 8777 (24 hours/day, 7 days/week) 9 (24 hours/day, 7 days/week)	5 402
italy. DIG +32.14.36434	545 (phone) or +32.14583516 (telefax) 5 (phone) or +32.14583516 (telefax)	

SAFETY DATA SHEET

Ethyl n-Octyl Sulfide

SDS Number:100000014147

Version 1.7

Revision Date 2022-08-29

Version 1.7	Revision Date 2022-08-29
Poisoning and Drug Infor 67042473. (24 hours.) Liechtenstein: BIG +32.14 Lithuania: +370 (85) 2362 Luxembourg: (+352) 8002 Malta: +356 2395 2000 The Netherlands: NVIC: + Norway: 22 59 13 00 (24 Poland: BIG +32.14.5845 Portugal: CIAV phone nur Romania: +40213183606 Slovakia: +421 2 5477 41 Slovenia: Phone number:	2 5500 (24 hours/day, 7 days/week) -31 (0)88 755 8000 hours/day, 7 days/week) 45 (phone) or +32.14583516 (telefax) mber: +351 800 250 250 66 112 cy Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24
Responsible Department E-mail address Website	 Product Safety and Toxicology Group SDS@CPChem.com www.CPChem.com
SECTION 2: Hazards identificat	ion
	 ified in accordance with the hazard communication standard 29 CFR els contain all the information as required by the standard. Eye irritation, Category 2B
Signal Word	: Warning
Hazard Statements	: H320: Causes eye irritation.
Precautionary Statements	 Prevention: P264 Wash skin thoroughly after handling. Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/ attention.
Carcinogenicity:	
IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

2/14

Version 1.7

SAFETY DATA SHEET

Revision Date 2022-08-29

SECTION 3: Composition/infor			
	•	n-Octyl ethyl sulfide Ethyl n-Octyl Sulfide ENOS Ethyl Normal Octyl Sulfide	
Molecular formula	:	C10H22S	
Component		CAS-No.	Maight 9/
Component Ethyl n-Octyl Sulfide		3698-94-0	Weight % 92 - 100
Ethyl 2-Octyl Sulfide		53970-40-4	1 - 7
SECTION 4: First aid measures	5		
General advice	:	sheet to the doctor in atter	ea. Show this material safety data ndance. Material may produce a neumonia if swallowed or vomited.
If inhaled	:	If unconscious, place in re advice. If symptoms persi	covery position and seek medical st, call a physician.
In case of skin contact	:	If skin irritation persists, ca with water. If on clothes, r	all a physician. If on skin, rinse well emove clothes.
In case of eye contact	:		vith plenty of water. Remove contact l eye. Keep eye wide open while rsists, consult a specialist.
If swallowed	:	beverages. Never give an	r. Do not give milk or alcoholic hything by mouth to an unconscious ist, call a physician. Take victim
SECTION 5: Firefighting measu	ires		
Flash point	:	93.9°C (201.0°F) Method: PMCC estimated	
Autoignition temperature	:	No data available	
Unsuitable extinguishing media	:	High volume water jet.	
Specific hazards during fire fighting	:	Do not allow run-off from f courses.	ire fighting to enter drains or water
Special protective equipment for fire-fighters	:	Wear self-contained breat necessary.	hing apparatus for firefighting if
SDS Number:100000014147			3/14

nyl n-Octyl Sulfide		SAFETY DATA SHE
sion 1.7		Revision Date 2022-08
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Fire and explosion protection	:	Normal measures for preventive fire protection.
Hazardous decomposition products	:	Carbon oxides. Sulfur oxides.
CTION 6: Accidental release	me	asures
Personal precautions	:	Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	:	Prevent product from entering drains. 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	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.
CTION 7: Handling and stora	age	
Handling		
Advice on safe handling	:	Do not breathe vapors/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Storage		
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
Use	:	Chemical intermediate
CTION 8: Exposure controls	/per	sonal protection
Engineering measures Adequate ventilation to contr	ol a	irborned concentrations below the exposure guidelines/limits.
S Number:100000014147		4/14
- Nullibel: 100000014147		<u>+</u> +/ 1++

Version 1.7

Revision Date 2022-08-29

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:. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, aerosolization, 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 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:. Protective suit. Safety shoes.
Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9: Physical and chemical properties

Information on basic phy	sical and chemical properties
Appearance	
Form Physical state Color Odor	: liquid : liquid : Colorless : unpleasant
Safety data	
Flash point	: 93.9°C (201.0°F) Method: PMCC estimated
Lower explosion limit	: 0.7 %(V)
SDS Number:100000014147	5/14

Hazardous decomposition

SDS Number:100000014147

Revision Date 2022-08-29

50111.7	
Upper explosion limit	: 5.7 %(V)
Oxidizing properties	: No
Autoignition temperature	: No data available
Molecular formula	: C10H22S
Molecular weight	: 174.38 g/mol
рН	: Not applicable
Boiling point/boiling range	: 232°C (450°F) estimated
Vapor pressure	: 0.24 MMHG at 37.8°C (100.0°F)
Relative density	: 0.844 at 15.6 °C (60.1 °F), estimated
Water solubility	: Insoluble
Partition coefficient: n- octanol/water	: No data available
Viscosity, kinematic	: 1.39 cSt at 40°C (104°F)
Relative vapor density	: No data available
Evaporation rate	: <1
Percent volatile	: <99%
TION 10: Stability and react	ivity
Reactivity	: Stable under recommended storage conditions.
Chemical stability	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous rea	actions
Hazardous reactions	: Hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid	: No data available.
Materials to avoid Hazardous decomposition	: Avoid oxidizing agents.

: Carbon oxides

6/14

hyl n-Octyl Sulfide	SAFETY DATA SHEE
ersion 1.7	Revision Date 2022-08-2
products	Sulfur oxides
Other data	: No decomposition if stored and applied as directed.
CTION 11: Toxicological info	rmation
Acute oral toxicity	
Ethyl n-Octyl Sulfide	: LD50: > 2,000 mg/kg Species: Rat
Acute dermal toxicity	
Ethyl n-Octyl Sulfide	: LD50: 2,000 mg/kg Species: Rabbit
Skin irritation	
Ethyl n-Octyl Sulfide	: Mild skin irritation
Ethyl 2-Octyl Sulfide	Mild skin irritation Information given is based on data obtained from similar substances.
Eye irritation Ethyl n-Octyl Sulfide	: Mild eye irritation
Ethyl 2-Octyl Sulfide	Mild eye irritation Information given is based on data obtained from similar substances.
Sensitization	
Ethyl n-Octyl Sulfide	 Does not cause skin sensitization. Information given is based on data obtained from similar substances.
Repeated dose toxicity	

Ethyl n-Octyl Sulfide	SAFETY DATA SHEET
Version 1.7	Revision Date 2022-08-29
Ethyl n-Octyl Sulfide	 Species: Rat, Male and female Sex: Male and female Application Route: Oral Dose: 0, 74, 368, 1842 mg/kg/day Exposure time: 13 wks NOEL: > 1842 mg/kg/day Information given is based on data obtained from similar substances.
	Species: Rabbit, Male and female Sex: Male and female Application Route: Dermal Dose: 50, 100, 200 mg/kg/day Exposure time: 21 days NOEL: > 200 mg/kg/day Information given is based on data obtained from similar substances.
Genotoxicity in vitro	
Ethyl n-Octyl Sulfide	: Test Type: Ames test Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative
	Test Type: Mouse lymphoma assay Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative Remarks: Information given is based on data obtained from similar substances.
	Test Type: Chromosome aberration test in vitro Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative Remarks: Information given is based on data obtained from similar substances.
Developmental Texisity	
Developmental Toxicity Ethyl n-Octyl Sulfide	: Species: Rat Application Route: oral gavage Dose: 0, 100, 300, 1000 mg/kg.d Number of exposures: daily Test period: GD 6 - 15 Method: OECD Guideline 414 NOAEL Teratogenicity: 300 mg/kg/day NOAEL Maternal: 1000 mg/kg/day Information given is based on data obtained from similar substances.
SDS Number:100000014147	8/14

hvl n_Octvl Sulfida	
hyl n-Octyl Sulfide	Revision Date 2022-08
	Species: Rat Application Route: oral gavage Dose: 47, 187. 748 mg/kg/day Number of exposures: daily Test period: GD 5 - 15 Method: OECD Guideline 414 NOAEL Teratogenicity: 748 mg/kg/day NOAEL Maternal: 748 mg/kg/day Information given is based on data obtained from similar substances.
Ethyl n-Octyl Sulfide Aspiration toxicity	: May be harmful if swallowed and enters airways.
CMR effects	
Ethyl n-Octyl Sulfide	 Carcinogenicity: Not available Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Teratogenicity: Animal testing did not show any effects on fetal development. Reproductive toxicity: Animal testing did not show any effects on fertility.
Ethyl n-Octyl Sulfide Further information	
	: Solvents may degrease the skin.
CTION 12: Ecological inform	
CTION 12: Ecological inform	
CTION 12: Ecological inform	nation : LC50: > 1.4 mg/l Exposure time: 96 h Species: Pimephales promelas (fathead minnow) No toxicity at the limit of solubility.
CTION 12: Ecological inform Toxicity to fish Ethyl n-Octyl Sulfide	nation : LC50: > 1.4 mg/l Exposure time: 96 h Species: Pimephales promelas (fathead minnow) No toxicity at the limit of solubility.
Toxicity to fish Ethyl n-Octyl Sulfide	 nation : LC50: > 1.4 mg/l Exposure time: 96 h Species: Pimephales promelas (fathead minnow) No toxicity at the limit of solubility. ther aquatic invertebrates : EC50: 0.73 mg/l Exposure time: 48 h
Toxicity to fish Ethyl n-Octyl Sulfide Toxicity to daphnia and of Ethyl n-Octyl Sulfide	 ination : LC50: > 1.4 mg/l Exposure time: 96 h Species: Pimephales promelas (fathead minnow) No toxicity at the limit of solubility. ther aquatic invertebrates : EC50: 0.73 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea)
Toxicity to fish Ethyl n-Octyl Sulfide Toxicity to daphnia and of Ethyl n-Octyl Sulfide M-Factor Octane, 1-(ethylthio)-	 ination : LC50: > 1.4 mg/l Exposure time: 96 h Species: Pimephales promelas (fathead minnow) No toxicity at the limit of solubility. ther aquatic invertebrates : EC50: 0.73 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea)
Toxicity to fish Ethyl n-Octyl Sulfide Toxicity to daphnia and of Ethyl n-Octyl Sulfide M-Factor Octane, 1-(ethylthio)- Biodegradability	nation : LC50: > 1.4 mg/l Exposure time: 96 h Species: Pimephales promelas (fathead minnow) No toxicity at the limit of solubility. ther aquatic invertebrates : EC50: 0.73 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) : M-Factor (Acute Aquat. Tox.) 1

hyl n-Octyl Sulfide	
rsion 1.7	Revision Date 2022-08-
Ethyl n-Octyl Sulfide	: This material is not expected to bioaccumulate.
Mobility	
Ethyl n-Octyl Sulfide	: No data available
Additional ecological information Ecotoxicology Assessmen	: Very toxic to aquatic life. t
Short-term (acute) aquatic ha Ethyl n-Octyl Sulfide	azard : Very toxic to aquatic life.
Ethyl 2-Octyl Sulfide	: Very toxic to aquatic life.
Long-term (chronic) aquatic l Ethyl n-Octyl Sulfide	hazard : This material is not expected to be harmful to aquatic organisms.
CTION 13: Disposal conside	rations
other State and local regulation	purpose or recycle if possible. This material, if it must be discarded, izardous waste as defined by US EPA under RCRA (40 CFR 261) or ions. Measurement of certain physical properties and analysis for be necessary to make a correct determination. If this material is
other State and local regulation regulated components may be	zardous waste as defined by US EPA under RCRA (40 CFR 261) or
other State and local regulation regulated components may be classified as a hazardous wa	izardous waste as defined by US EPA under RCRA (40 CFR 261) or ions. Measurement of certain physical properties and analysis for be necessary to make a correct determination. If this material is
other State and local regulation regulated components may be classified as a hazardous was disposal facility.	 ions. Measurement of certain physical properties and analysis for be necessary to make a correct determination. If this material is aste, federal law requires disposal at a licensed hazardous waste The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed
other State and local regulati regulated components may b classified as a hazardous wa disposal facility. Product	 in the product should not be allowed to enter drains, water courses or the soil. Do not containing point or used container. Send to a licensed waste management company. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.
other State and local regulation regulated components may be classified as a hazardous wat disposal facility. Product Contaminated packaging CTION 14: Transport information The shipping descriptions	 in the product should not be allowed to enter drains, water courses or the soil. Do not containing point or used container. Send to a licensed waste management company. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.
other State and local regulation regulated components may be classified as a hazardous wat disposal facility. Product Contaminated packaging CTION 14: Transport informat The shipping descriptions shipments in non-bulk pac Consult the appropriate dom Goods Regulations for addition etc.) Therefore, the informat description for the material.	 ions. Measurement of certain physical properties and analysis for be necessary to make a correct determination. If this material is aste, federal law requires disposal at a licensed hazardous waste The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.
other State and local regulations regulated components may be classified as a hazardous way disposal facility. Product Contaminated packaging CTION 14: Transport informat The shipping descriptions shipments in non-bulk pac Consult the appropriate dom Goods Regulations for addition etc.) Therefore, the informat description for the material. bill of lading. US DOT (UNITED STATES	 izardous waste as defined by US EPA under RCRA (40 CFR 261) or ions. Measurement of certain physical properties and analysis for be necessary to make a correct determination. If this material is aste, federal law requires disposal at a licensed hazardous waste The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. ation shown here are for bulk shipments only, and may not apply to exages (see regulatory definition). estic or international mode-specific and quantity-specific Dangerous onal shipping description requirements (e.g., technical name or name ion shown here, may not always agree with the bill of lading shipping Flashpoints for the material may vary slightly between the SDS and the state of the material may vary slightly between the SDS and the state of the material may vary slightly between the SDS and the state of the material may vary slightly between the SDS and the state of the material may vary slightly between the SDS and the state of the material may vary slightly between the SDS and the state of the material may vary slightly between the SDS and the state of t
other State and local regulations regulated components may be classified as a hazardous wat disposal facility. Product Contaminated packaging CTION 14: Transport informat The shipping descriptions shipments in non-bulk pac Consult the appropriate dom Goods Regulations for addititetc.) Therefore, the informat description for the material. bill of lading. US DOT (UNITED STATES NOT REGULATED AS A	 izardous waste as defined by US EPA under RCRA (40 CFR 261) or ions. Measurement of certain physical properties and analysis for be necessary to make a correct determination. If this material is aste, federal law requires disposal at a licensed hazardous waste The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. ation shown here are for bulk shipments only, and may not apply to exages (see regulatory definition). estic or international mode-specific and quantity-specific Dangerous onal shipping description requirements (e.g., technical name or name ion shown here, may not always agree with the bill of lading shipping Flashpoints for the material may vary slightly between the SDS and the state of the material may vary slightly between the SDS and the state of the material may vary slightly between the SDS and the state of the material may vary slightly between the SDS and the state of the material may vary slightly between the SDS and the state of the material may vary slightly between the SDS and the state of the material may vary slightly between the SDS and the state of t

SAFETY DATA SHEET

ion 1.7	Revision Date 2022-
UN3082, ENVIRONME OCTYL SULFIDE, ETH	DNAL MARITIME DANGEROUS GOODS) NTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (ETHYL N- IYL 2-OCTYL SULFIDE), 9, III, (93.9 °C c.c.), MARINE POLLUTANT FIDE, ETHYL 2-OCTYL SULFIDE)
UN3082, ENVIRONME	AIR TRANSPORT ASSOCIATION) NTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (ETHYL N- IYL 2-OCTYL SULFIDE), 9, III
UN3082, ENVIRONME	DANGEROUS GOODS BY ROAD (EUROPE)) NTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (ETHYL N- IYL 2-OCTYL SULFIDE), 9, III, (-)
DANGEROUS GOODS (E 90,UN3082,ENVIRONM	NCERNING THE INTERNATIONAL TRANSPORT OF SUROPE)) ENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (ETHYL N- YL 2-OCTYL SULFIDE), 9, III
OF DANGEROUS GOODS UN3082, ENVIRONME	EMENT CONCERNING THE INTERNATIONAL CARRIAGE S BY INLAND WATERWAYS) NTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (ETHYL N- IYL 2-OCTYL SULFIDE), 9, III
	Ik according to IMO instruments
Maritime transport in bu TION 15: Regulatory info	Ik according to IMO instruments
Maritime transport in bu	Ik according to IMO instruments rmation
Maritime transport in bu TION 15: Regulatory info National legislation SARA 311/312 Hazards	Ik according to IMO instruments rmation
Maritime transport in bu TION 15: Regulatory info National legislation SARA 311/312 Hazards	Ik according to IMO instruments rmation : Serious eye damage or eye irritation
Maritime transport in but TION 15: Regulatory info National legislation SARA 311/312 Hazards EPCRA - EMERGENCY PL CERCLA Reportable Quantity SARA 302 Reportable	Ik according to IMO instruments rmation : Serious eye damage or eye irritation ANNING COMMUNITY RIGHT - TO – KNOW : This material does not contain any components with a CERCL
Maritime transport in but TION 15: Regulatory info National legislation SARA 311/312 Hazards EPCRA - EMERGENCY PL CERCLA Reportable	Ik according to IMO instruments rmation Serious eye damage or eye irritation ANNING COMMUNITY RIGHT - TO – KNOW This material does not contain any components with a CERCL RQ. This material does not contain any components with a SARA
Maritime transport in but TION 15: Regulatory info National legislation SARA 311/312 Hazards EPCRA - EMERGENCY PL CERCLA Reportable Quantity SARA 302 Reportable Quantity SARA 302 Threshold	Ik according to IMO instruments rmation : Serious eye damage or eye irritation ANNING COMMUNITY RIGHT - TO – KNOW : This material does not contain any components with a CERCL RQ. : This material does not contain any components with a SARA 302 RQ. : No chemicals in this material are subject to the reporting

hyl n-Octyl Sulfide	SAFETY DATA SHE
rsion 1.7	Revision Date 2022-08
SARA 313 Components :	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Clean Air Act Ozone-Depletion : This prod	uct neither contains, nor was manufactured with a Class I or
Potential Class II C	DDS as defined by the U.S. Clean Air Act Section 602 (40 CFR a. A, App.A + B).
This product does not contain ar Act Section 112 (40 CFR 61).	ny hazardous air pollutants (HAP), as defined by the U.S. Clean A
This product does not contain ar Accidental Release Prevention (ny chemicals listed under the U.S. Clean Air Act Section 112(r) for 40 CFR 68.130, Subpart F).
This product does not contain ar Intermediate or Final VOC's (40	ny chemicals listed under the U.S. Clean Air Act Section 111 SOC CFR 60.489).
US State Regulations	
Pennsylvania Right To Know :	Ethyl n-Octyl Sulfide - 3698-94-0 Ethyl 2-Octyl Sulfide - 53970-40-4 1-Octene - 111-66-0
California Prop. 65 : Components	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 Switzerland CH INV United States of America (USA) TSCA Canada DSL	 Not in compliance with the inventory Not in compliance with the inventory All substances listed as active on the TSCA inventory All components of this product are on the Canadian DSL

sion 1.7				Revision Date 2022-08	
Sion 1.7Other AIICNew Zealand NZIoCJapan ENCSKorea KECI			On the inventory, or in compliance with the inventory Not in compliance with the inventory Not in compliance with the inventory A substance(s) in this product was not registered, notified to be registered, or exempted from registration by CPChem according to K-REACH regulations. Importation or manufacture of this product is still permitted provided the Korean Importer of Record has themselves notified the substance or the exported amount does not exceed the minimum threshold quantity of the non-registered substance(s).		
Dhilippingg	DICCS	· On the	inventory or		
Philippines Taiwan TC				in compliance with the inventory vith the inventory	
China IECS				vith the inventory	
TION 16: Of	ther information				
	- : (! (!		. 4		
NFPA Classification : Health Fire Ha			. 1		
		Reactivity Haz	ard: 0		
Legacy SDS	S Number :	398880			
previous ver	rsions.			ne margin. This version replaces all	
previous ver The informa	rsions. Ition in this SDS per	rtains only to the	product as sh	ipped.	
previous ver The informa The informa information guidance for not to be co specific mat other materi	rsions. Ition in this SDS per ition provided in this and belief at the da r safe handling, use nsidered a warrant rerial designated an ials or in any proces Key or legend to at	rtains only to the s Safety Data Sh te of its publication of its publication of its publication of its publication so or quality speci- d may not be val so, unless specifications and	product as sh eet is correct to on. The inform rage, transpo fication. The in id for such ma ed in the text.	hipped. to the best of our knowledge, nation given is designed only as a rtation, disposal and release and is nformation relates only to the aterial used in combination with any ed in the safety data sheet	
previous ver The informa The informa information guidance for not to be co specific mat other materi	rsions. Ition in this SDS per ition provided in this and belief at the da r safe handling, use nsidered a warranty erial designated an ials or in any proces Key or legend to at American Confe Government Ind	rtains only to the s Safety Data Sh te of its publication of its publication of its publi	product as sh eet is correct to on. The inform rage, transpo fication. The in id for such ma ed in the text. acronyms use LD50	hipped. to the best of our knowledge, nation given is designed only as a rtation, disposal and release and is nformation relates only to the aterial used in combination with any ed in the safety data sheet Lethal Dose 50%	
previous ver The informa The informa information guidance for not to be co specific mat other materi	rsions. Ition in this SDS per- ition provided in this and belief at the da r safe handling, use nsidered a warranty erial designated an ials or in any proces Key or legend to at American Confe Government Ind Australia, Invent Substances	rtains only to the s Safety Data Sh te of its publication of its publication of its publication of its publication of its publication of its publi	product as sh eet is correct to on. The inform rage, transpo fication. The in id for such ma ed in the text.	hipped. to the best of our knowledge, nation given is designed only as a rtation, disposal and release and is nformation relates only to the aterial used in combination with any ed in the safety data sheet Lethal Dose 50%	
previous ver The informa The informa information guidance for not to be co specific mat other materi	rsions. Ition in this SDS per- ition provided in this and belief at the da r safe handling, use nsidered a warranty erial designated an ials or in any proces Key or legend to at American Confe Government Ind Australia, Invent Substances Canada, Domes	rtains only to the s Safety Data Sh te of its publication of its publication of its publication of its publication of its publication of its publi	product as sh eet is correct to on. The inform rage, transpo fication. The in id for such ma ed in the text. acronyms use LD50	hipped. to the best of our knowledge, nation given is designed only as a rtation, disposal and release and is nformation relates only to the aterial used in combination with any ed in the safety data sheet Lethal Dose 50% Lowest Observed Adverse Effect	
previous ver The informa The informa information guidance for not to be co specific mat other materi ACGIH AICS	rsions. tion in this SDS per- tion provided in this and belief at the da r safe handling, use nsidered a warranty rerial designated an ials or in any proces <u>Key or legend to at</u> <u>American Confe</u> <u>Government Ind</u> <u>Australia, Invent</u> <u>Substances</u> <u>List</u> <u>Canada, Non-D</u>	rtains only to the s Safety Data Sh te of its publications y or quality specified d may not be val over a second specified obreviations and rence of lustrial Hygienists fory of Chemical stic Substances	product as sh eet is correct to on. The inform rage, transpo fication. The in id for such ma ed in the text. acronyms use LD50 LOAEL	hipped. to the best of our knowledge, nation given is designed only as a rtation, disposal and release and is nformation relates only to the aterial used in combination with any ed in the safety data sheet Lethal Dose 50% Lowest Observed Adverse Effect Level National Fire Protection Agency National Institute for Occupationa	
previous ver The informa The informa information guidance for not to be co specific mat other materi ACGIH AICS DSL NDSL	rsions. ation in this SDS per- ation provided in this and belief at the da r safe handling, use nsidered a warranty rerial designated an ials or in any proces <u>Key or legend to at</u> <u>American Confe</u> <u>Government Ind</u> <u>Australia, Invent</u> <u>Substances</u> <u>List</u> <u>Canada, Non-D</u> <u>Substances List</u>	rtains only to the s Safety Data Sh te of its publications y or quality specified d may not be val over a specified obreviations and rence of lustrial Hygienists rory of Chemical stic Substances	product as sh eet is correct to on. The inform rage, transpo fication. The in id for such ma ed in the text. acronyms use LD50 LOAEL NFPA NIOSH	hipped. to the best of our knowledge, hation given is designed only as a rtation, disposal and release and is nformation relates only to the aterial used in combination with any ad in the safety data sheet Lethal Dose 50% Lowest Observed Adverse Effect Level National Fire Protection Agency National Institute for Occupationa Safety & Health	
previous ver The informa The informa information guidance for not to be co specific mat other materi ACGIH AICS DSL	rsions. tion in this SDS per- tion provided in this and belief at the da r safe handling, use nsidered a warranty rerial designated an ials or in any proces <u>Key or legend to at</u> <u>American Confe</u> <u>Government Ind</u> <u>Australia, Invent</u> <u>Substances</u> <u>List</u> <u>Canada, Non-D</u>	rtains only to the s Safety Data Sh te of its publications, stop y or quality specified may not be val ss, unless specified may not be val ss, unless specified may not be val pobreviations and rence of lustrial Hygienists sory of Chemical stic Substances	product as sh eet is correct to on. The inform rage, transpo fication. The in id for such ma ed in the text. acronyms use LD50 LOAEL NFPA	hipped. to the best of our knowledge, hation given is designed only as a rtation, disposal and release and is information relates only to the aterial used in combination with any ed in the safety data sheet Lethal Dose 50% Lowest Observed Adverse Effect Level National Fire Protection Agency National Institute for Occupationa Safety & Health National Toxicology Program New Zealand Inventory of	
previous ver The informa The informa information guidance fo not to be co specific mat other materi ACGIH AICS DSL NDSL CNS	rsions. tion in this SDS per- tion provided in this and belief at the da r safe handling, use nsidered a warranty terial designated an ials or in any proces <u>Key or legend to at</u> <u>American Confe</u> <u>Government Ind</u> <u>Australia, Invent</u> <u>Substances</u> <u>List</u> <u>Canada, Non-D</u> <u>Substances List</u> <u>Central Nervous</u>	rtains only to the s Safety Data Sh te of its publications, stop y or quality specified may not be val ss, unless specified may not be val ss, unless specified may not be val poreviations and rence of lustrial Hygienists sory of Chemical stic Substances comestic s System act Service	product as sh eet is correct to on. The inform rage, transpo fication. The in id for such ma ed in the text. acronyms use LD50 LOAEL NFPA NIOSH NTP	hipped. to the best of our knowledge, hation given is designed only as a rtation, disposal and release and is information relates only to the aterial used in combination with any ed in the safety data sheet Lethal Dose 50% Lowest Observed Adverse Effect Level National Fire Protection Agency National Institute for Occupational Safety & Health National Toxicology Program New Zealand Inventory of Chemicals No Observable Adverse Effect	
previous ver The informa The informa information guidance fo not to be co specific mate other materia ACGIH AICS DSL NDSL CNS CAS EC50	rsions. tion in this SDS per- tion provided in this and belief at the da r safe handling, use nsidered a warranty terial designated an ials or in any proces <u>Key or legend to at</u> <u>American Confe</u> <u>Government Ind</u> <u>Australia, Invent</u> <u>Substances</u> <u>Canada, Domes</u> <u>List</u> <u>Canada, Non-D</u> <u>Substances List</u> <u>Central Nervous</u> <u>Chemical Abstra</u> <u>Effective Conce</u>	rtains only to the s Safety Data Sh te of its publications, stop y or quality specified may not be values as, unless specified may not be values as, unless specified may not be values as, unless specified may not be values and may not be values as, unless specified may not be values and may not be values as, unless specified may not be values and may	product as sh eet is correct to on. The inform rage, transpo fication. The in id for such ma ed in the text. acronyms use LD50 LOAEL NFPA NIOSH NTP NZIOC NOAEL	hipped. to the best of our knowledge, hation given is designed only as a rtation, disposal and release and is information relates only to the aterial used in combination with any ed in the safety data sheet Lethal Dose 50% Lowest Observed Adverse Effect Level National Fire Protection Agency National Institute for Occupationa Safety & Health National Toxicology Program New Zealand Inventory of Chemicals No Observable Adverse Effect Level	
previous ver The informa The informa information guidance fo not to be co specific mat other materi ACGIH AICS DSL NDSL CNS CAS	rsions. tion in this SDS per- tion provided in this and belief at the da r safe handling, use nsidered a warranty terial designated an ials or in any proces <u>Key or legend to at</u> <u>American Confe</u> <u>Government Inc</u> <u>Australia, Invent</u> <u>Substances</u> <u>Canada, Domes</u> <u>List</u> <u>Canada, Non-D</u> <u>Substances List</u> <u>Central Nervous</u> <u>Chemical Abstra</u>	rtains only to the s Safety Data Sh te of its publications, processing, stocy or quality specified may not be values so, unless specified may not be values so, unless specified may not be values obreviations and rence of lustrial Hygienists sory of Chemical stic Substances comestic s System act Service intration	product as sh eet is correct to on. The inform rage, transpo fication. The in id for such ma ed in the text. acronyms use LD50 LOAEL NFPA NIOSH NTP NZIoC	hipped. to the best of our knowledge, hation given is designed only as a rtation, disposal and release and is information relates only to the aterial used in combination with any ed in the safety data sheet Lethal Dose 50% Lowest Observed Adverse Effect Level National Fire Protection Agency National Institute for Occupationa Safety & Health National Toxicology Program New Zealand Inventory of Chemicals No Observable Adverse Effect	

Version 1.7

Revision Date 2022-08-29

	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 Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery 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 New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical	UVCB	Unknown or Variable Composition,
	Inventory		Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

14/14

SAFETY DATA SHEET