SAFETY DATA SHEET

Chevron Phillips CHEMICAL

n-Decyl Mercaptan

Version 2.2

Revision Date 2022-08-12

SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product information** Product Name : n-Decvl Mercaptan 1093899, 1021533, 1021530, 1021531, 1021535, 1021536, Material 1021537, 1021532, 1021534 Use : Chemical intermediate : Chevron Phillips Chemical Company LP Company **Specialty Chemicals** 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) China: 0532 8388 9090 Mexico CHEMTREC 01-800-681-9531 (24 hours) South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 Argentina: +(54)-1159839431 EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week) Belgium: 070 245 245 (24 hours/day, 7 days/week) Bulgaria: +359 2 9154 233 Croatia: +3851 2348 342 (24 hours/day, 7 days/week) Cyprus: 1401 Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402 Denmark: Danish Poison Center (Giftlinien): +45 8212 1212 Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Finland: 0800 147 111 09 471 977 (24 hours/day) France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week) Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Greece: (0030) 2107793777 (24 hours/day, 7 days/week) Hungary: +36-80-201-199 (24 hours/day, 7 days/week) Iceland: 543 2222 (24 hours/day, 7 days/week) Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Italy: BIG +32.14.584545 (phone) or +32.14583516 (telefax) SDS Number:100000014026 1/14

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n-Decyl Mercaptan

SDS Number:100000014026

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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 I 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) nber: +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
	 fied in accordance with the hazard communication standard 29 CFR els contain all the information as required by the standard. Skin corrosion, Category 1C Serious eye damage, Category 1 Skin sensitization, Sub-category 1A
Labeling	
Symbol(s)	
Signal Word	: Danger
Hazard Statements	: H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction.
Precautionary Statements	 Prevention: P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Response: P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/

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	air and keep comfortable for POISON CENTER/ doctor. P305 + P351 + P338 + P310 with water for several minutes present and easy to do. Cont POISON CENTER/ doctor. P333 + P313 If skin irritatio advice/ attention. P363 Wash contaminated of Storage: P405 Store locked up. Disposal:	IHALED: Remove person to fresh breathing. Immediately call a IF IN EYES: Rinse cautiously		
Carcinogenicity:				
IARC		No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed		
NTP	No ingredient of this product pr	esent at levels greater than or known or anticipated carcinogen		
Synonyms	rmation on ingredients			
Synonyms	: 1-Decanethiol Normal Decyl Mercaptan NDM			
Synonyms Molecular formula	: 1-Decanethiol Normal Decyl Mercaptan			
Molecular formula	 1-Decanethiol Normal Decyl Mercaptan NDM C10H22S 	Weight %		
	: 1-Decanethiol Normal Decyl Mercaptan NDM	Weight % 95 - 100		
Molecular formula	 1-Decanethiol Normal Decyl Mercaptan NDM C10H22S CAS-No. 143-10-2 			
Molecular formula Component n-Decyl Mercaptan	 1-Decanethiol Normal Decyl Mercaptan NDM C10H22S CAS-No. 143-10-2 S Move out of dangerous area. 	95 - 100 Consult a physician. Show this the doctor in attendance. Material		
Molecular formula Component n-Decyl Mercaptan	 1-Decanethiol Normal Decyl Mercaptan NDM C10H22S CAS-No. 143-10-2 S Move out of dangerous area. material safety data sheet to may produce a serious, poter swallowed or vomited. 	95 - 100 Consult a physician. Show this the doctor in attendance. Material ntially fatal pneumonia if very position and seek medical		
Molecular formula Component n-Decyl Mercaptan TION 4: First aid measure General advice	 I-Decanethiol Normal Decyl Mercaptan NDM C10H22S CAS-No. 143-10-2 Move out of dangerous area. material safety data sheet to may produce a serious, poter swallowed or vomited. If unconscious, place in recov 	95 - 100 Consult a physician. Show this the doctor in attendance. Material ntially fatal pneumonia if very position and seek medical call a physician.		
Molecular formula Component n-Decyl Mercaptan TION 4: First aid measure General advice If inhaled	 I-Decanethiol Normal Decyl Mercaptan NDM C10H22S CAS-No. 143-10-2 Move out of dangerous area. material safety data sheet to may produce a serious, poter swallowed or vomited. If unconscious, place in recov advice. If symptoms persist, Immediate medical treatment wounds from corrosion of the difficulty. If on skin, rinse wel remove clothes. Small amounts splashed into 	95 - 100 Consult a physician. Show this the doctor in attendance. Material ntially fatal pneumonia if very position and seek medical call a physician.		

Decyl Mercaptan		SAFETY DATA SHEE
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		rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
CTION 5: Firefighting measu	res	
Flash point	:	96°C (205°F) Method: closed cup
Autoignition temperature	:	210°C (410°F) estimated
Unsuitable extinguishing media	:	High volume water jet.
Specific hazards during fire fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.
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	ge	
Handling		
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					Devision	Data 0000 00
/ersion 2.2					Revision	n Date 2022-08-
Advice on safe handling	:	instruction personal p drinking sl spills durin rinse wate Persons s allergies, o	is before use protection see hould be proh ng handling k er in accordar usceptible to chronic or rec	e section 8. Sr nibited in the ap eep bottle on a nee with local a skin sensitizat	t with skin a noking, eati oplication ar a metal tray. and national ion problem ory disease	and eyes. For ng and rea. To avoid Dispose of regulations. is or asthma, should not be
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.				
Storage						
Requirements for storage areas and containers	:	Container kept uprig Electrical	s which are o ht to prevent	pened must be leakage. Obs working mate	e carefully re erve label p	
Use		: Chemical intermediate				
	•	Chemical	intermediate			
	s/per					
ECTION 8: Exposure controls	-	sonal prot	ection			
ECTION 8: Exposure controls	-	sonal prot	ection			
ECTION 8: Exposure controls Ingredients with workplace	-	rsonal prot	ection	Control p	parameters	Note
ECTION 8: Exposure controls Ingredients with workplace S Components	e co Basi	rsonal prot	ection neters	Control p 0.5 ppm, 3		Note
ECTION 8: Exposure controls Ingredients with workplace S Components	e co Basi	rsonal prot ntrol parar	ection neters Value			Note
ECTION 8: Exposure controls Ingredients with workplace S Components n-Decyl Mercaptan	Basi NIOS Trol a rds o nces i ent. of this nould	is SH REL irborned co of this mater in the work of engineeri s material, t I read and u	ection neters Value c ncentrations rial (see Section place when cong controls of he personal punderstand al	0.5 ppm, 3 below the expo on 2), applicat lesigning engin r work practice protective equi l instructions a	a.6 mg/m3 osure guide ole exposure neering cont es are not ac pment listed nd limitatior	lines/limits. e limits, job trols and selecti dequate to preve d below is ns supplied with
ECTION 8: Exposure controls Ingredients with workplace S Components n-Decyl Mercaptan Engineering measures Adequate ventilation to cont Consider the potential hazar activities, and other substan personal protective equipme exposure to harmful levels of recommended. The user sh	Basi NIOS Trol a rds o nces i ent. I of this nould	is sonal prot ntrol parar is SH REL irborned co of this mater in the work of engineeri is material, t l read and u s usually pr	ection neters Value c ncentrations rial (see Section place when cong controls of he personal punderstand al	0.5 ppm, 3 below the expo on 2), applicat lesigning engin r work practice protective equi l instructions a	a.6 mg/m3 osure guide ole exposure neering cont es are not ac pment listed nd limitatior	lines/limits. e limits, job trols and selecti dequate to preve d below is ns supplied with
ECTION 8: Exposure controls Ingredients with workplace S Components n-Decyl Mercaptan Engineering measures Adequate ventilation to cont Consider the potential hazar activities, and other substan personal protective equipment exposure to harmful levels of recommended. The user sh the equipment since protect	Basi NIOS Trol a rds o nces i ent. I of this nould	rsonal prot ntrol parar is SH REL irborned co of this mater in the work lf engineeri s material, t l read and u s usually pr t Wear a su ventilation maintain r normal atr respirator material if occur, suc Use a pos potential f levels are	ection neters Value c ncentrations ial (see Secti place when c ng controls of he personal p inderstand al ovided for a l upplied-air NIC or other eng ninimal oxyge mospheric pre- that provides exposure to ch as:. Air-Pu itive pressure or uncontrolle not known, o	0.5 ppm, 3 below the expo on 2), applicat lesigning engin r work practice protective equi l instructions a	assure guide ble exposure neering cont as are not ac pment listed nd limitatior under certai l respirator u bls are adeq 9.5% by vol a NIOSH ap en working of airborne ator for Dust g respirator i osolization, stances whe	lines/limits. e limits, job trols and selectin dequate to preve d below is ns supplied with in circumstances unless juate to lume under oproved with this material may ts and Mists. if there is exposure per air-
ECTION 8: Exposure controls Ingredients with workplace S Components n-Decyl Mercaptan Engineering measures Adequate ventilation to cont Consider the potential hazar activities, and other substan personal protective equipment exposure to harmful levels of recommended. The user sh the equipment since protective Personal protective equipment	Basi NIOS Trol a rds o nces i ent. I of this nould	rsonal prot ntrol parar is SH REL irborned co of this mater in the work If engineeri s material, t read and u s usually pr t Wear a su ventilation maintain r normal atr respirator material if occur, suc Use a pos potential f levels are purifying r	ection neters Value C ncentrations ial (see Secti place when c ng controls of he personal p inderstand al ovided for a l upplied-air NIC or other eng ninimal oxyge mospheric pre- that provides exposure to ch as:. Air-Pu itive pressure or uncontrolle not known, o espirators ma-	0.5 ppm, 3 below the expo on 2), applicat designing engin r work practice protective equi l instructions a imited time or content of 1 essure. Wear protection wh harmful levels irifying Respira e, air-supplying ed release, aer r other circums	bsure guide ble exposure neering cont as are not ac pment listed nd limitatior under certai l respirator u ols are adeq 9.5% by vol a NIOSH ap en working v of airborne ator for Dust g respirator i osolization, stances whe adequate pu	lines/limits. e limits, job trols and selection dequate to prevent d below is as supplied with an circumstances unless puate to lume under oproved with this material may as and Mists. if there is exposure ere air- rotection.

In case of an accident during ma Controlled Conditions (SCC) in a isolated intermediates. CTION 9: Physical and chemica Information on basic physical Appearance Form Physical state	accordance with REACH regulation Article 18(4) for transported
Skin and body protection : Hygiene measures : In case of an accident during ma Controlled Conditions (SCC) in a isolated intermediates. ECTION 9: Physical and chemical Information on basic physical Appearance Form Physical state	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 wash bottle with pure water. 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:. Remove and wash contaminated clothing before re-use. Skin should be washed after contact. Complete head face and neck protection. Rubber apron. Footwear protecting against chemicals. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. aintenance/cleaning, this substance must be handled under Strictly accordance with REACH regulation Article 18(4) for transported
Skin and body protection : Hygiene measures : In case of an accident during ma Controlled Conditions (SCC) in a isolated intermediates. ECTION 9: Physical and chemical Information on basic physical Appearance Form Physical state	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:. Remove and wash contaminated clothing before re-use. Skin should be washed after contact. Complete head face and neck protection. Rubber apron. Footwear protecting against chemicals. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. aintenance/cleaning, this substance must be handled under Strictly accordance with REACH regulation Article 18(4) for transported
Hygiene measures In case of an accident during ma Controlled Conditions (SCC) in a isolated intermediates. ECTION 9: Physical and chemica Information on basic physical Appearance Form Physical state	concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate:. Remove and wash contaminated clothing before re-use. Skin should be washed after contact. Complete head face and neck protection. Rubber apron. Footwear protecting against chemicals. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. aintenance/cleaning, this substance must be handled under Strictly accordance with REACH regulation Article 18(4) for transported
In case of an accident during ma Controlled Conditions (SCC) in a isolated intermediates. ECTION 9: Physical and chemica Information on basic physical Appearance Form Physical state	Wash hands before breaks and at the end of workday. aintenance/cleaning, this substance must be handled under Strictly accordance with REACH regulation Article 18(4) for transported al properties
Controlled Conditions (SCC) in a isolated intermediates. ECTION 9: Physical and chemica Information on basic physical Appearance Form Physical state	al properties
Information on basic physical Appearance Form Physical state	I and chemical properties
Appearance Form Physical state	
Form Physical state	· liquid
Physical state	· liquid
Odor	 liquid liquid Colorless Pungent
Safety data	
Flash point	: 96°C (205°F) Method: closed cup
Lower explosion limit	: 0.6 %(V)
Upper explosion limit	: 5.6 %(V)
Oxidizing properties	: no
Autoignition temperature	: 210°C (410°F) estimated
Molecular formula	: C10H22S
Molecular weight	: 174.38 g/mol
рН	: Not applicable
Freezing point	: No data available
Pour point	No data available
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Boiling point/boiling range	: 237°C (459°F)
Vapor pressure	: 0.13 MMHG at 37.8°C (100.0°F) estimated
Relative density	: 0.85 at 15.6 °C (60.1 °F)
Water solubility	: negligible
Partition coefficient: n- octanol/water	: No data available
Solubility in other solvents	: Medium: Hydrocarbons soluble
Viscosity, kinematic	: 1.46 cSt at 40°C (104°F) No data available
Relative vapor density	: 1 (Air = 1.0)
Evaporation rate	: No data available
Reactivity	: Stable under recommended storage conditions.
Reactivity Chemical stability	 This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature
	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Chemical stability	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Chemical stability Possibility of hazardous rea	 This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Actions Hazardous reactions: Hazardous polymerization does not
Chemical stability Possibility of hazardous rea Hazardous reactions Conditions to avoid Hazardous decomposition	 This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Actions Hazardous reactions: Hazardous polymerization does not occur. No data available. Carbon oxides
Chemical stability Possibility of hazardous rea Hazardous reactions Conditions to avoid Hazardous decomposition products	 This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Actions Hazardous reactions: Hazardous polymerization does not occur. No data available. Carbon oxides Sulfur oxides No decomposition if stored and applied as directed.
Chemical stability Possibility of hazardous rea Hazardous reactions Conditions to avoid Hazardous decomposition products Other data	 This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Actions Hazardous reactions: Hazardous polymerization does not occur. No data available. Carbon oxides Sulfur oxides No decomposition if stored and applied as directed.
Chemical stability Possibility of hazardous rea Hazardous reactions Conditions to avoid Hazardous decomposition products Other data	 This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Actions Hazardous reactions: Hazardous polymerization does not occur. No data available. Carbon oxides Sulfur oxides No decomposition if stored and applied as directed.

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Acute inhalation toxicity	
n-Decyl Mercaptan	 : >3.10milligram per literExposure time: 4.5 h Species: Rat Sex: male and female Test atmosphere: vapor Method: OECD Test Guideline 403 Information given is based on data obtained from similar substances.
Acute dermal toxicity	
n-Decyl Mercaptan	: LD50: > 2,000 mg/kg Species: Rabbit
Skin irritation	
n-Decyl Mercaptan	: Corrosive after 1 to 4 hours of exposure Information given is based on data obtained from similar substances.
Eye irritation n-Decyl Mercaptan	: Irreversible effects on the eye Information given is based on data obtained from similar substances.
Sensitization	
n-Decyl Mercaptan	 The product is a skin sensitizer, sub-category 1A. Information given is based on data obtained from similar substances.
Repeated dose toxicity	
n-Decyl Mercaptan	 Species: Rat Application Route: Inhalation Dose: 0, 0.43, 1.6, 7.3 ppm Exposure time: 4 wk NOEL: 0.01 mg/l 1.7 ppm Lowest observable effect level: 0.06 mg/l 7.3 ppm Target Organs: Skin Information given is based on data obtained from similar substances.
	Species: Dog Application Route: Inhalation Dose: 0, 0.44, 1.6, 7.3 ppm Exposure time: 4 wk NOEL: 1.7 ppm Lowest observable effect level: 0.06 mg/l 7.3 ppm Information given is based on data obtained from similar substances.
Genotoxicity in vitro	
n-Decyl Mercaptan	: Test Type: Ames test Result: negative Remarks: Information given is based on data obtained from
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	similar substances.
	Test Type: Sister chromatid exchange Result: negative Remarks: Information given is based on data obtained from
	similar substances. Test Type: Mouse lymphoma assay Result: negative Remarks: Information given is based on data obtained from similar substances.
Genotoxicity in vivo	
n-Decyl Mercaptan	 Test Type: Mouse micronucleus assay Species: Mouse Dose: 1250, 2500, 5000 mg/kg Remarks: Information given is based on data obtained from similar substances.
n-Decyl Mercaptan Aspiration toxicity	: May be harmful if swallowed and enters airways.
n-Decyl Mercaptan Further information	: Solvents may degrease the skin.
TION 12: Ecological infor	mation
Toxicity to fish	
n-Decyl Mercaptan	 LC50: > 100 mg/l Exposure time: 96 h Species: Oncorhynchus kisutch (Marine, fresh water) Information given is based on data obtained from similar substances.
Toxicity to daphnia and o	ther aquatic invertebrates
n-Decyl Mercaptan	 EC50: 1 - 10 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) Method: OECD Test Guideline 202 Information given is based on data obtained from similar substances.
Toxicity to algae	
n-Decyl Mercaptan	: EC50: 0.0145 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.

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M-Factor decane-1-thiol	: M-Factor (Acute Aquat. Tox.) 10
	M-Factor (Chron. Aquat. Tox.) 10
Biodegradability	
n-Decyl Mercaptan	: This material is not expected to be readily biodegradable. Information given is based on data obtained from similar substances.
Bioaccumulation	
n-Decyl Mercaptan	 This material is not expected to bioaccumulate. Information given is based on data obtained from similar substances.
Mobility	
n-Decyl Mercaptan	: No data available
Additional ecological information Ecotoxicology Assessmer	: Very toxic to aquatic life with long lasting effects.
Short-term (acute) aquatic h n-Decyl Mercaptan	azard : Very toxic to aquatic life.
Long-term (chronic) aquatic n-Decyl Mercaptan	hazard : Very toxic to aquatic life with long lasting effects.
FION 13: Disposal conside	rations
The information in this SDS	pertains only to the product as shipped.
Use material for its intended may meet the criteria of a ha other State and local regulat regulated components may	I purpose or recycle if possible. This material, if it must be discarded azardous waste as defined by US EPA under RCRA (40 CFR 261) of tions. 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
Product	: 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.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

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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) UN1760, CORROSIVE LIQUIDS, N.O.S., (N-DECYL MERCAPTAN), 8, III IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS) UN1760, CORROSIVE LIQUID, N.O.S., (N-DECYL MERCAPTAN), 8, III, (96 °C c.c.), MARINE POLLUTANT, (N-DECYL MERCAPTAN) IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION) UN1760, CORROSIVE LIQUID, N.O.S., (N-DECYL MERCAPTAN), 8, III ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE)) UN1760, CORROSIVE LIQUID, N.O.S., (N-DECYL MERCAPTAN), 8, III, (E), ENVIRONMENTALLY HAZARDOUS, (N-DECYL MERCAPTAN) **RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))** 80,UN1760,CORROSIVE LIQUID, N.O.S., (N-DECYL MERCAPTAN), 8, III, ENVIRONMENTALLY HAZARDOUS, (N-DECYL MERCAPTAN) ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS) UN1760, CORROSIVE LIQUID, N.O.S., (N-DECYL MERCAPTAN), 8, III, ENVIRONMENTALLY HAZARDOUS, (N-DECYL MERCAPTAN) Maritime transport in bulk according to IMO instruments **SECTION 15: Regulatory information** National legislation SARA 311/312 Hazards : Skin corrosion or irritation Serious eye damage or eye irritation Respiratory or skin sensitization CERCLA Reportable : This material does not contain any components with a CERCLA SDS Number:100000014026 11/14

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Quantity	RQ.
SARA 302 Reportable Quantity	: This material does not contain any components with a SARA 302 RQ.
SARA 302 Threshold Planning Quantity	: This material does not contain any components with a section 302 EHS TPQ.
SARA 304 Reportable Quantity	: This material does not contain any components with a section 304 EHS RQ.
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	
Potential Class	oduct neither contains, nor was manufactured with a Class I or I ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR opt. A, App.A + B).
This product does not contair Act Section 112 (40 CFR 61)	a any hazardous air pollutants (HAP), as defined by the U.S. Clean Air
	any chemicals listed under the U.S. Clean Air Act Section 112(r) for n (40 CFR 68.130, Subpart F).
This product does not contair Intermediate or Final VOC's (any chemicals listed under the U.S. Clean Air Act Section 111 SOCM 40 CFR 60.489).
US State Regulations	
Pennsylvania Right To Know	: n-Decyl Mercaptan - 143-10-2 sec-Decylmercaptan - 13402-60-3
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ompliance with the inventory nventory, or in compliance with the inventory compliance with the active portion of the nventory duct contains one or several components that on the Canadian DSL nor NDSL. ompliance with the inventory ompliance with the inventory nventory, or in compliance with the inventory ompliance with the inventory nventory, or in compliance with the inventory ompliance with the inventory nventory, or in compliance with the inventory ompliance with the inventory ompliance with the inventory ompliance with the inventory
nlighted in the margin. This version replaces all roduct as shipped. et is correct to the best of our knowledge, h. The information given is designed only as a age, transportation, disposal and release and is cation. The information relates only to the for such material used in combination with any
d in the text. cronyms used in the safety data sheet LD50 Lethal Dose 50%
LOAEL Lowest Observed Adverse Effect Level

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	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 Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of 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 on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
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%		

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SAFETY DATA SHEET