

Safety Data Sheet

 according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
 Date of issue: 23/11/2015
 Revision date: 21/11/2019
 Supersedes: 23/11/2015
 Version: 1.1

 EO-5507
 EO-5507
 Supersedes: 23/11/2015
 Supersedes: 23/11/2015
 Version: 1.1

	the substance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixtures
Product name	: PBDE INJECTION INTERNAL STANDARD (13C12, 99%) 200 NG/ML IN NONANE
Product code	: EO-5507
1.2. Relevant identified uses of	the substance or mixture and uses advised against
1.2.1. Relevant identified uses	
Main use category	: Professional use
Industrial/Professional use spec	: For professional use only
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the Cambridge Isotope Laboratories, Inc.	ie salety data sneet
50 Frontage Road Andover, MA 01810	
USA USA: 1-800-322-1174 Int: 1-978-749	2 2000
cilsales@isotope.com www.isotope.	
Emergency telephone num	ber
Emergency numbers:	
Chemtrec: 1-800-424-9300 (24 hours International: 1-703-741-5970 (24 hours	
SECTION 2: Hazards identific	ation
2.1. Classification of the substa	ance or mixture
Classification according to Regulation	on (EC) No. 1272/2008 [CLP]
Flam. Liq. 3 H226	
Acute Tox. 4 (Inhalation) H332	
Skin Irrit. 2 H315	
Eye Irrit. 2 H319	
STOT SE 3 H336	
Asp. Tox. 1 H304	
Full text of hazard classes and H-statements : see section 16	
Classification according to Directive	e 67/548/EEC [DSD] or 1999/45/EC [DPD]
Xn; R20	
Xn; R65	
Xi; R38	
R10	
Xi; R36 Xi; R37	
Full text of R-phrases: see section 16	
GHS-US classification	
Flam. Liq. 3 H226	

Flam. Liq. 3	H226
Acute Tox. 4 (Inhalation)	H332
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H336
Asp. Tox. 1	H304

Full text of H statements : see section 16

NONANE EO-5507

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Adverse physicochemical, human health and environmental effects

Central Nervous System. Flammable liquid and vapor. May cause drowsiness or dizziness. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways.



NONANE EO-5507

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P337+P313 - If eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P370+P378 - In case of fire: Use Use personal protective equipment as required. to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.

P501 - Dispose of contents/container to Comply with applicable regulations

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

Name	Product identifier	%	Classification according to
			Directive 67/548/EEC
N-NONANE UNLABELED	(CAS-No.) 111-84-2 (EC-No.) 203-913-4	99.9999443	R10 Xn; R20 Xn; R65 Xi; R36/38 R67
2,2',4,4',5-PENTABDE (BDE-99) (13C12, 99%)	(CAS-No.) 60348-60-9 (Unlabeled)	0.00002786	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 Xi; R41 Xi; R37 Xi; R38 N; R51/53
2,2',4,4',5,6'-HEXABDE (BDE-154) (13C12, 99%)	(CAS-No.) 488710-23-2	0.00002786	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R20 Xn; R21 Xn; R22 N; R50
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
N-NONANE UNLABELED	(CAS-No.) 111-84-2 (EC-No.) 203-913-4	99.9999443	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 Asp. Tox. 1, H304
2,2',4,4',5-PENTABDE (BDE-99) (13C12, 99%)	(CAS-No.) 60348-60-9 (Unlabeled)	0.00002786	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H335 Aquatic Chronic 2, H411
2,2',4,4',5,6'-HEXABDE (BDE-154) (13C12, 99%)	(CAS-No.) 488710-23-2	0.00002786	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1A, H350 STOT SE 3, H336 Aquatic Chronic 2, H411
Name	Product identifier	%	GHS-US classification
N-NONANE UNLABELED	(CAS-No.) 111-84-2	99.9999443	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 Asp. Tox. 1, H304

Full text of R- and H- phrases: see section 16

NONANE EO-5507

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

26, 2012 / Rules and Regulations	
SECTION 4: First aid measures	
4.1. Description of first aid measures	3
First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Immediately call a poison center or doctor/physician.
4.2. Most important symptoms and e	ffects, both acute and delayed
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.
4.3. Indication of any immediate med	lical attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measure	e
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide. Alcohol resistant foam.
5.2. Special hazards arising from the	substance or mixture
Fire hazard	: Flammable liquid and vapor.
Explosion hazard	: May form flammable/explosive vapor-air mixture.
Reactivity	: Flammable liquid and vapor. Vapors may form flammable mixture with air.
5.3. Advice for firefighters	
Firefighting instructions	: Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release m	easures
6.1. Personal precautions, protective	equipment and emergency procedures
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
6.1.1. For non-emergency personnel	

6.1.2. For emergency responders

Emergency procedures

6.1.2.	For emergency responders		
Protecti	ve equipment	: Avoid breathing Avoid breathing dust, mist or spray.	
6.2.	Environmental precautions		
Prevent	entry to sewers and public waters. Avoid release to the environment.		
6.3.	Methods and material for containr	nent and cleaning up	
For con	tainment	: Dike and contain spill. Dispose as hazardous waste. Comply with local regulations for disposal	
Method	s for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.	
Other in	formation	: Dispose of materials or solid residues at an authorized site.	
6.4.	Reference to other sections		
For furt	her information refer to section 13.		
SECT	ION 7: Handling and storage		

: Wear personal protective equipment. Ventilate spillage area. No open flames, no sparks, and

no smoking. Avoid breathing fume, gas, mist, spray, vapors. Avoid contact with skin and eyes.

SECTIO	ON 7: Handling and storage	
7.1.	Precautions for safe handling	
Additiona	I hazards when processed	: Handle empty containers with care because residual vapors are flammable.

NONANE EO-5507

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

-,	
Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing fume, gas, mist, spray, vapors. Avoid contact with skin and eyes.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage	e, including any incompatibilities
Storage conditions	: Store at room temperature away from light and moisture.
Incompatible materials	: Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection		
8.1. Control parameters		
PBDE INJECTION INTERNAL	STANDARD (13C12, 99%) 200 NG/ML IN NONANE	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200.00000000 ppm USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	CNS impair
N-NONANE UNLABELED (11	1-84-2)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200.00000000 ppm USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	CNS impair
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	1050 mg/m ³ USA. NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm USA. NIOSH Recommended Exposure Limits
USA NIOSH	Remark (NIOSH)	Central Nervous System impairment
USA OSHA	OSHA PEL (TWA) (mg/m³)	1050 mg/m ³ USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000
USA OSHA	OSHA PEL (Ceiling) (mg/m³)	1050 California permissible exposure limits for chemical contaminants.
USA OSHA	OSHA PEL (Ceiling) (ppm)	200 ppm California permissible exposure limits for chemical contaminants.

8.2. Exposure controls

Appropriate engineering controls

Personal protective equipment

- : Ensure good ventilation of the work station.
- : Protective clothing. Protective goggles. Gloves. Self-contained breathing apparatus.



Materials for protective clothing	: Wear suitable protective clothing and gloves.
Hand protection	: Gloves.
Eye protection	: Chemical goggles or face shield. Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Wear respiratory protection.
Environmental exposure controls	: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

o.r. Information on basic physic	and onenhour proper		
The properties listed below are for the solvent, the main component of this mixture.			
Physical state	: Liquid		
Appearance	: Liquid		
Molecular mass	: 128.3 g/mol		

NONANE EO-5507

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

20, 2012, 110,000 and 110 galaxono	
Color	: Colorless
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: -53 °C (- 63 °F) - lit
Boiling point	: 151 °C (304 °F) - lit
Flash point	: 31 °C (87.8 °F) - closed cup
Auto-ignition temperature	: 205 °C (401 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Flammable liquid and vapor
Vapor pressure	: 5.69 hPa (4.27 mmHg) at 25 °C (77 °F)
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 0.718 g/ml at 25 °C (77 °F)
Solubility	: Water: 0.0002 % at 25 °C (77 °F) - slightly soluble
Log Pow	: 5.65
Log Kow	: No data available
Viscosity, kinematic	: <= 1.008 mm²/s at 20 °C (68 °F)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: 0.87 - 2.9 % (V)

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity		
10.1. Reactivity		
Flammable liquid and vapor. Vapors may form flammable mixture with air.		
10.2. Chemical stability		
See storage and expiration date on CoA.		
10.3. Possibility of hazardous reaction	S	
No dangerous reactions known under normal		
10.4. Conditions to avoid		
Open flame. Overheating. Direct sunlight. He	at Sparks	
1 5 5	at. Opaino.	
10.5. Incompatible materials		
No additional information available		
10.6. Hazardous decomposition produ	cts	
May release flammable gases.		
SECTION 11: Toxicological inform	ation	
11.1. Information on toxicological effe		
Acute toxicity	: Inhalation: Harmful if inhaled.	
PBDE INJECTION INTERNAL STANDARD) (13C12. 99%) 200 NG/ML IN NONANE	
LC50 inhalation rat (mg/l)	23760 mg/m ³ male - 4 h	
ATE CLP (gases)	4500.000 ppmV/4h	
ATE CLP (vapors)	11.000 mg/l/4h	
ATE CLP (dust, mist)	1.500 mg/l/4h	
Skin corrosion/irritation, Dermal, rat	Result: Skin Irritation (Draize Test)	
Additional information	: S. Typhimurium Result: negative	
2,2',4,4',5-PENTABDE (BDE-99) (13C12, 99%) (60348-60-9 (Unlabeled))		
Additional information	LD50 Intraperitoneal-mouse-125mg/kg	

NONANE EO-5507

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

, 3		
N-NONANE UNLABELED (111-84-2)		
LC50 inhalation rat (mg/l)	23760 mg/m³ male - 4 h	
ATE CLP (vapors)	11.000 mg/l/4h	
Skin corrosion/irritation, Dermal, rat	Result: Skin Irritation (Draize Test)	
Additional information	: S. Typhimurium Result: negative	
Skin corrosion/irritation	: Causes skin irritation.	
Serious eye damage/irritation	: Causes serious eye irritation.	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
Specific target organ toxicity – single exposure	: May cause drowsiness or dizziness.	
Specific target organ toxicity – repeated exposure	: Not classified	
Aspiration hazard	: May be fatal if swallowed and enters airways.	
Potential Adverse human health effects and symptoms	: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.	
Symptoms/effects after inhalation	: May cause drowsiness or dizziness.	
Symptoms/effects after skin contact	: Causes skin irritation.	
Symptoms/effects after eye contact	: Causes serious eye irritation.	
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.	

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential			
PBDE INJECTION INTERNAL STANDARD (13C12, 99%) 200 NG/ML IN NONANE			
Log Pow	Log Pow 5.65		
Bioaccumulative potential Indication of bioaccumulation.			
N-NONANE UNLABELED (111-84-2)			
Log Pow	5.65		
Bioaccumulative potential Indication of bioaccumulation.			
12.4. Mobility in soil			
No additional information available			
12.5. Results of PBT and vPvB assessment			
No additional information available			
12.6. Other adverse effects			
Other adverse effects	Disposal must be done according to official regulations.		

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Regional legislation (waste)	: Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.	
Product/Packaging disposal recommendations	: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.	
Additional information	: Handle empty containers with care because residual vapors are flammable.	
Ecology - waste materials	: Hazardous waste due to toxicity.	

NONANE EO-5507

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

26, 2012 / Rules and Regulations	
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / A	UN
14.1. UN number	4000
UN-No.(DOT)	: 1920
DOT NA no.	UN1920
14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Nonanes
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid
	FLAMMABLE LIQUID
Packing group (DOT)	: III - Minor Danger
DOT Special Provisions (49 CFR 172.102)	 B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HD2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T2 - 1.5 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
14.3. Additional information	
Other information	: No supplementary information available.
Overland transport	
Overland transport Packing group (ADR)	: 111
Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 30
Classification code (ADR)	: 50 : F1
Hazard labels (ADR)	: 3 - Flammable liquids
Orange plates	30 1920
Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	5
EAC	: 3Y
Excepted quantities (ADR)	: E1
Transport by sea	· A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

DOT Vessel Stowage Location

: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

NONANE EO-5507

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

MFAG-N	No	: 128
Air tran	sport	
	antity Limitations Passenger aircraft/rail R 173.27)	: 60 L
DOT Qu CFR 17	antity Limitations Cargo aircraft only (49 5.75)	: 220 L
Civil Aeı	ronautics Law	: Flammable liquids
14.4.	Environmental hazards	
Other in	formation	: No supplementary information available.
14.5.	Special precautions for user	
14.6. Transport in bulk according to Annex		x II of MARPOL 73/78 and the IBC Code
Not app	licable	

SECTION 15: Regulatory information				
15.1. US Federal regulations				
PBDE INJECTION INTERNAL STANDARD (130	12, 99%) 200 NG/ML IN NONANE			
Listed on the United States TSCA (Toxic Substan	ces Control Act) inventory			
EPA TSCA Regulatory Flag T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.				
SARA Section 302 Threshold Planning Quantity (TPQ)	5 7 7 6 7			
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard			
SARA Section 313 - Emission Reporting	ARA Section 313 - Emission Reporting Not subject to reporting requirements of the United States SARA Section 313.			
N-NONANE UNLABELED (111-84-2)				
Listed on the United States TSCA (Toxic Substan	ces Control Act) inventory			
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.			
SARA Section 302 Threshold Planning Quantity (TPQ) Not subject to reporting requirements of the United States SARA Section 302.				
SARA Section 311/312 Hazard Classes Fire hazard Immediate (acute) health hazard				
SARA Section 313 - Emission Reporting Not subject to reporting requirements of the United States SARA Section 313.				

15.2. International regulations

CANADA

PBDE INJECTION INTERNAL STANDARD (13C12, 99%) 200 NG/ML IN NONANE
Listed on the Canadian DSL (Domestic Substances List)
N-NONANE UNLABELED (111-84-2)
Listed on the Canadian DSL (Domestic Substances List)

15.2.1. National regulations

No additional information available

15.3. US State regulations

PBDE INJECTION INTERNAL STANDARD (13C12, 99%) 200 NG/ML IN NONANE()		
U.S California - Proposition 65 - Carcinogens List	No	
U.S California - Proposition 65 - Developmental Toxicity	No	
U.S California - Proposition 65 - Reproductive Toxicity - Female	No	
U.S California - Proposition 65 - Reproductive Toxicity - Male	No	
State or local regulations	U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations U.S New Jersey - Right to Know Hazardous Substance List U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List	

NONANE EO-5507

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

PBDE INJECTION INTERNAL STANDARD (13C12, 99%) 200 NG/ML IN NONANE()				
	U.S New York - Reporting of Releases Part 597 - List of Hazardous Substances			azardous Substances
N-NONANE UNLABELI	ED (111-84-2)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
N-NONANE UNLABELED (111-84-2)				
State or local regulations				
U.S New Jersey - Rig U.S Massachusetts - F U.S Pennsylvania - R		List	ons	

SECTION 16: Other information

Other information

: This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Inhalation:vapour)Acute tAquatic Chronic 2HazardAsp. Tox. 1AspiratCarc. 1ACarcingEye Dam. 1Serious	exicity (inhalation) Category 4 exicity (inhalation:vapour) Category 4 lous to the aquatic environment - Chronic Hazard Category 2 eion hazard Category 1 ogenicity Category 1A s eye damage/eye irritation Category 1
Aquatic Chronic 2HazardAsp. Tox. 1AspiratCarc. 1ACarcingEye Dam. 1Serious	lous to the aquatic environment - Chronic Hazard Category 2 ion hazard Category 1 ogenicity Category 1A s eye damage/eye irritation Category 1
Asp. Tox. 1AspiratCarc. 1ACarcingEye Dam. 1Serious	ion hazard Category 1 ogenicity Category 1A s eye damage/eye irritation Category 1
Carc. 1A Carcino Eye Dam. 1 Serious	ogenicity Category 1A s eye damage/eye irritation Category 1
Eye Dam. 1 Serious	s eye damage/eye irritation Category 1
Eve Irrit. 2 Serious	
	s eye damage/eye irritation Category 2
	able liquids Category 3
	prrosion/irritation Category 2
	ensitization, Category 1
	c target organ toxicity (single exposure) Category 3
	c target organ toxicity (single exposure) Category 3
	able liquid and vapor
	e fatal if swallowed and enters airways
H315 Causes	s skin irritation
H317 May ca	ause an allergic skin reaction
H318 Causes	s serious eye damage
	s serious eye irritation
H332 Harmfu	ıl if inhaled
H335 May ca	ause respiratory irritation
	ause drowsiness or dizziness
H350 May ca	ause cancer
H411 Toxic te	o aquatic life with long lasting effects
R10 Flamm	able
R20 Harmfu	Il by inhalation
R21 Harmfu	Il in contact with skin
R22 Harmfu	ıl if swallowed
R36 Irritatin	g to eyes
R36/38 Irritatin	g to eyes and skin
R37 Irritatin	g to respiratory system
R38 Irritatin	g to skin
R41 Risk of	serious damage to eyes
R45 May ca	ause cancer
	ause cancer by inhalation
R50 Very to	xic to aquatic organisms
R51/53 Toxic to	o aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65 Harmfu	II: may cause lung damage if swallowed
R67 Vapors	may cause drowsiness and dizziness

NONANE EO-5507

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Ν	Dangerous for the environment	
Xi	Irritant	
Xn	Harmful	
NFPA health hazard	: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.	
NFPA fire hazard	: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.	
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.	
Hazard Rating		
Health	: 2 Moderate Hazard - Temporary or minor injury may occur	
Flammability	: 3 Serious Hazard	
Physical	: 0 Minimal Hazard	

CIL Mixture SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product