

## HEPTACHLOR UNLABELED 100 UG/ML IN NONANE

#### 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: 12/03/2015 Revision date: : Version: 1.0

SECT	ION 1: Identification of the su	ubstance/mixture and of the company/undertaking	
1.1.	Product identifier		
Product form		: Mixtures	
Product	name	: HEPTACHLOR UNLABELED 100 UG/ML IN NONANE	
Product	code	: ULM-2424-S	
1.2.	Relevant identified uses of the su	bstance or mixture and uses advised against	
1.2.1.	Relevant identified uses		
Industri	al/Professional use spec	: For professional use only	
1.2.2.	Uses advised against		
	itional information available		
1.3.	Details of the supplier of the safe	tv data sheet	
	dge Isotope Laboratories, Inc.		
50 Fron	tage Road		
Andove USA	r, MA 01810		
	-800-322-1174 Int: 1-978-749-8000		
	<u>@isotope.com</u> www.isotope.com		
	Emergency telephone number		
Emerge	ency numbers:		
Chemtr	ec: 1-800-424-9300 (24 hours)		
Internat	ional: 1-703-741-5970 (24 hours)		
SECT	ION 2: Hazards identification		
2.1.	Classification of the substance of	r mixture	
Classif	ication according to Regulation (EC	) No. 1272/2008 [CLP]	
Flam. L	iq. 3 H226		
Acute T	ox. 4 (Inhalation:dust,mist) H332		
Skin Irri	t. 2 H315		
Eye Irrit	2 H319		
STOT S	SE 3 H336		
Asp. To	x. 1 H304		
Full text	t of hazard classes and H-statements	see section 16	
Classif	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]		
,	Xn; R20		
Xn; R65	5		
R10 R52/53			
	t of R-phrases: see section 16		

#### **GHS-US** classification

Acute Tox. 4 (Inhalation:dust,mist) H Skin Irrit. 2 Eye Irrit. 2A STOT SE 3 Asp. Tox. 1	H226 H332 H315 H319 H336 H304 H304 H402
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Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

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

#### 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

#### Label elements 2.2. Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) GHS02 GHS07 GHS08 Signal word (CLP) : Danger : N-NONANE UNLABELED Hazardous ingredients Hazard statements (CLP) : H226 - Flammable liquid and vapour H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H319 - Causes serious eye irritation H332 - Harmful if inhaled H336 - May cause drowsiness or dizziness Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical, lighting, ventilating equipment P261 - Avoid breathing fume, mist, spray, vapours P264 - Wash both hands thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear eye protection, face protection, protective clothing, protective gloves **GHS-US** labelling Hazard pictograms (GHS-US) GHS07 GHS08 GHS02 Signal word (GHS-US) : Danger Hazard statements (GHS-US) : H226 - Flammable liquid and vapour H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H319 - Causes serious eye irritation H332 - Harmful if inhaled H336 - May cause drowsiness or dizziness H402 - Harmful to aquatic life P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking Precautionary statements (GHS-US) P233 - Keep container tightly closed P240 - Ground/Bond container and receiving equipment P241 - Use explosion-proof electrical, lighting, ventilating equipment P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P261 - Avoid breathing fume, mist, spray, vapours P264 - Wash Both hands thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P273 - Avoid release to the environment P280 - Wear eye protection, face protection, protective clothing, protective gloves P301+P310 - If swallowed: Immediately call a poison center/doctor/... P302+P352 - If on skin: Wash with plenty of water/... P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P312 - Call a poison center/doctor/... if you feel unwell P331 - Do NOT induce vomiting P332+P313 - If skin irritation occurs: Get medical advice/attention 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 Alcohol resistant foam, Carbon dioxide, Dry chemical, Water spray to extinguish P403+P233 - Store in a well-ventilated place. Keep container tightly closed

#### 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

- 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

3.2. Mixtures			
Name	Product identifier	%	Classification according to Directive 67/548/EEC
N-NONANE UNLABELED	(CAS No) 111-84-2 (EC No) 203-913-4	99.9861	R10 Xn; R20 Xn; R65 Xi; R36/38 R67
HEPTACHLOR UNLABELED	(CAS No) 76-44-8 (EC No) 200-962-3 (EC Index No) 602-046-00-2	0.0139	T; R25 N; R50/53
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	99.9861	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
HEPTACHLOR UNLABELED	(CAS No) 76-44-8 (EC No) 200-962-3 (EC Index No) 602-046-00-2	0.0139	Acute Tox. 2 (Oral), H300 Acute Tox. 2 (Dermal), H310 Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410
Name	Product identifier	%	GHS-US classification
N-NONANE UNLABELED	(CAS No) 111-84-2	99.9861	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H336 Asp. Tox. 1, H304

#### Full text of R- and H-statements: see section 16

SECTION 4: First aid measures			
4.1. Description of first aid measures			
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	: Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse.		
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy t 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 effe	cts, both acute and delayed		
Symptoms/injuries	: May cause drowsiness or dizziness.		
Symptoms/injuries after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause drowsiness or dizziness.		
Symptoms/injuries after skin contact	: Causes skin irritation.		
Symptoms/injuries after eye contact	: Causes serious eye irritation.		
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.		

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

	mediate medical attention and special treatme	ent needed	
Treat symptomatically.			
SECTION 5: Fire-fighting	g measures		
5.1. Extinguishing media	1		
Suitable extinguishing media	: Water spray. Dry powder. F	oam. Carbon dioxide. Alcohol resistant foam.	
5.2. Special hazards aris	ing from the substance or mixture		
Fire hazard	: Flammable liquid and vapou	ır.	
Explosion hazard	: May form flammable/explos		
Reactivity	: Flammable liquid and vapou	r. Vapours may form flammable mixture with air.	
5.3. Advice for firefighter	rs		
Firefighting instructions Protection during firefighting		ut proper protective equipment, including respiratory protection. n without suitable protective equipment. Self-contained breathing tive clothing.	
<b>SECTION 6: Accidental</b>	release measures		
	s, protective equipment and emergency proc	edures	
General measures		se special care to avoid static electric charges. No open flames. No	
6.1.1. For non-emergency	personnel		
Emergency procedures	· · · ·	quipment. Ventilate spillage area. No open flames, no sparks, and g fume, gas, mist, spray, vapours. Avoid contact with skin and eyes.	
6.1.2. For emergency resp	onders		
Protective equipment		n without suitable protective equipment. For further information e controls/personal protection".	
6.2. Environmental preca	autions		
Prevent entry to sewers and pul	blic waters. Avoid release to the environment.		
6.3. Methods and materia	al for containment and cleaning up		
For containment : Dike and contain spill. Dispose as hazardous waste. Comply with local regulations for dispo		ose as hazardous waste. Comply with local regulations for disposal.	
Methods for cleaning up	: Take up liquid spill into abso waters.	orbent material. Notify authorities if product enters sewers or public	
Other information	: Dispose of materials or solid	d residues at an authorized site.	
6.4. Reference to other s	ections		
For further information refer to s	ection 13.		
<b>SECTION 7: Handling an</b>	nd storage		
7.1. Precautions for safe	handling		
Additional hazards when proces	sed : Handle empty containers wi	Handle empty containers with care because residual vapours are flammable.	
Precautions for safe handling		: No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area.	
Hygiene measures	: Wash contaminated clothing Always wash hands after ha	g before reuse. Do not eat, drink or smoke when using this product. andling the product.	
7.2. Conditions for safe	storage, including any incompatibilities		
Technical measures		<ul> <li>Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.</li> </ul>	
Storage conditions	: Store at room temperature a	Store at room temperature away from light and moisture.	
Incompatible materials : Heat sources.			
7.3. Specific end use(s)			
No additional information availa	ble		
SECTION 8: Exposure c	ontrols/personal protection		
8.1. Control parameters			
HEPTACHLOR UNLABELED	100 UG/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			

#### 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

N-NONANE UNLABELED			
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 <sup>3</sup> )	1050 mg/m <sup>3</sup> 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 <sup>3</sup> 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/m <sup>3</sup> )	1050 California permissible exposure limits for chemical contaminants.	
USA OSHA	OSHA PEL (Ceiling) (ppm)	200 ppm California permissible exposure limits for chemical contaminants.	
HEPTACHLOR UNLABELED (76-44-8)			
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup> Skin notation, skin designation	

8.2. Exposure controls

: Ensure good ventilation of the work station.

- Appropriate engineering controls Personal protective equipment
- Protective clothing. Protective goggles. Gloves. Self-contained breathing apparatus.

Materials for protective clothing	: Wear suitable protective clothing and gloves.
Hand protection	: Wear suitable protective clothing and 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.

: Avoid release to the environment.

Environmental exposure controls

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
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	
Colour	: Colourless.	
Odour	: No data available	
Odour threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butylacetate=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 vapour	
Vapour pressure	: 5.69 hPa (4.27 mmHg) at 25 °C (77 °F)	
Relative vapour density at 20 °C	: No data available	
Relative density	: No data available	
Density	: 0.718 g/ml at 25 °C (77 °F)	

#### 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

Solubility	: Water: 0.0002 % at 25 °C (77 °F) - slightly soluble
Log Pow	: 5.65
Log Kow	: No data available
Viscosity, kinematic	: <= 1.008 mm <sup>2</sup> /s at 20 °C (68 °F)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive 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 vapour. Vapours may form f	lammable mixture with air.	
10.2. Chemical stability		
See storage and expiration date on CoA.		
10.3. Possibility of hazardous reactions		
No dangerous reactions known under normal conc	litions of use	
10.4. Conditions to avoid		
Open flame. Overheating. Direct sunlight. Heat. Sp	narks	
10.5.         Incompatible materials           No additional information available		
10.6. Hazardous decomposition products		
May release flammable gases.		
SECTION 11: Toxicological information	on	
11.1. Information on toxicological effects		
Acute toxicity	: Inhalation:dust,mist: Harmful if inhaled.	
HEPTACHLOR UNLABELED 100 UG/ML IN NO	DNANE	
LC50 inhalation rat (mg/l)	23760 mg/m <sup>3</sup> male - 4 h	
ATE CLP (gases)	3200.000 ppmv/4h	
ATE CLP (vapours)	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	
N-NONANE UNLABELED		
LC50 inhalation rat (mg/l)	23760 mg/m <sup>3</sup> male - 4 h	
ATE CLP (gases)	3200.000 ppmv/4h	
ATE CLP (vapours)	11.000 mg/l/4h	
ATE CLP (dust,mist)	23.760 mg/l/4h	
Skin corrosion/irritation, Dermal, rat	Result: Skin Irritation (Draize Test)	
Additional information	: S. Typhimurium Result: negative	
HEPTACHLOR UNLABELED (76-44-8)		
LD50 oral rat	40 mg/kg	
ATE CLP (oral)	40.000 mg/kg bodyweight	
ATE CLP (dermal)	50.000 mg/kg bodyweight	
Skin corrosion/irritation	: Causes skin irritation.	
Serious eye damage/irritation	: Causes serious eye irritation.	
Respiratory or skin sensitisation	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity : Not classified		
STOT-single exposure	: May cause drowsiness or dizziness.	
May cause drowsiness or dizziness		
STOT-repeated exposure	: Not classified	

#### 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

HEPTACHLOR UNLABELED 100 UG/ML IN NONANE		
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight/day female (OECD Test Guildeline 408)	
N-NONANE UNLABELED		
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight/day female (OECD Test Guildeline 408)	
Aspiration hazard	: May be fatal if swallowed and enters airways.	
Potential adverse human health effects and symptoms	: Harmful if inhaled.	
Symptoms/injuries after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause drowsiness or dizziness.	
Symptoms/injuries after skin contact	: Causes skin irritation.	
Symptoms/injuries after eye contact	: Causes serious eye irritation.	
Symptoms/injuries 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 nor to cause long-term adverse effects in the environment.	
HEPTACHLOR UNLABELED 100 UG/ML IN NO	DNANE	
EC50 Daphnia 1	0.2 mg/l static test EC50 - Daphnia magna (Water flea) - 48 h	
N-NONANE UNLABELED		
EC50 Daphnia 1	0.2 mg/l static test EC50 - Daphnia magna (Water flea) - 48 h	
HEPTACHLOR UNLABELED (76-44-8)		
LC50 fish 1	0.007 mg/l Oncorhynchus mykiss (rainbow trout) -96h	
EC50 Daphnia 1	0.078 mg/l Daphnia magna (Water flea) -48h	

#### 12.2. Persistence and degradability

#### No additional information available

12.3. Bioaccumulative potential		
HEPTACHLOR UNLABELED 100 UG/ML IN NONANE		
Log Pow	5.65	
Bioaccumulative potential	Indication of bioaccumulation.	
N-NONANE UNLABELED		
Log Pow	5.65	
Bioaccumulative potential	Indication of bioaccumulation.	
HEPTACHLOR UNLABELED (76-44-8)		
Bioconcentration factor (BCF REACH)	23814	
Bioaccumulative potential	Bioaccumulation Pimephales promelas (fathead minnow)-276 d.	
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. Very toxic to aquatic life with long lasting effects.

<b>SECTION 13: Disposal consideration</b>	IS
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 in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials	: Hazardous waste due to toxicity.

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

<b>SECTION 14: Transport information</b>	
In accordance with ADR / RID / IMDG / IATA / A	ADN
14.1. UN number	
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
Packing group (DOT)	: III - Minor Danger
DOT Special Provisions (49 CFR 172.102)	<ul> <li>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.</li> <li>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquid with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 5 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Tab 2 for UN2672).</li> <li>T2 - 1.5 178.274(d)(2) Normal</li></ul>
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 frenchert	
Overland transport	
Packing group (ADR)	
Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 30
Classification code (ADR)	: F1
Danger labels (ADR)	: 3 - Flammable liquids
Orange plates	30 1920
Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	51
EAC code	: 3Y
	: E1
Excepted quantities (ADR)	: E1
Excepted quantities (ADR) Transport by sea	
Excepted quantities (ADR)	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a
Excepted quantities (ADR) Transport by sea	

#### 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

Air transport	
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
Civil Aeronautics Law	: Flammable liquids

#### **14.4.** Environmental hazards Other information

: No supplementary information available.

#### 14.5. Special precautions for user

14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

#### Not applicable

SECTION 15: Regulatory information		
15.1. US Federal regulations		
HEPTACHLOR UNLABELED 100 UG/ML IN NC	NANE	
Listed on the United States TSCA (Toxic Substances 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.	
N-NONANE UNLABELED		
Listed on the United States TSCA (Toxic Substances 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 HEPTACHLOR UNLABELED 100 UG/ML IN NONANE Listed on the Canadian DSL (Domestic Substances List) N-NONANE UNLABELED Listed on the Canadian DSL (Domestic Substances List)

#### 15.2.1. National regulations

#### N-NONANE UNLABELED

#### 15.3. US State regulations

HEPTACHLOR UNLABELED 100 UG/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 U.S New York - Reporting of Releases Part 597 - List of Hazardous Substances	

#### 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

N-NONANE UNLABELED				
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				
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				

U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

#### **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-statements:

Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2	
Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2	
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4	
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Asp. Tox. 1	Aspiration hazard, Category 1	
Carc. 2	Carcinogenicity, Category 2	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis	
H226	Flammable liquid and vapour	
H300	Fatal if swallowed	
H304	May be fatal if swallowed and enters airways	
H310	Fatal in contact with skin	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H332	Harmful if inhaled	
H336	May cause drowsiness or dizziness	
H351	Suspected of causing cancer	
H373	May cause damage to organs through prolonged or repeated exposure	
H400	Very toxic to aquatic life	
H410	Very toxic to aquatic life with long lasting effects	
R10	Flammable	
R20	Harmful by inhalation	
R25	Toxic if swallowed	
R36/38	Irritating to eyes and skin	
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment	
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment	
R65	Harmful: may cause lung damage if swallowed	
R67	Vapours may cause drowsiness and dizziness	
N	Dangerous for the environment	
Т	Toxic	
Xi	Irritant	
Xn	Harmful	

NFPA health hazard

: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.



#### 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

NFPA fire hazard	<ul> <li>3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.</li> </ul>
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.
HMIS III 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