

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: 27/01/2017
 Revision date:
 :
 Version: 1.0

 EDF-5556-10X

SECTION 4. Identification of th	he autotanao/mintura and of the company/undertaking		
SECTION 1: Identification of th 1.1. Product identifier	he substance/mixture and of the company/undertaking		
Product form	: Mixture		
Product name	: DIOXIN&FURAN FOOD/FEED/QQQ 10X INJECTION STANDARD SOLUTION (13C12, 99%)		
Product code	IN NONANE : EDF-5556-10X		
1.2. Relevant identified uses of t	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	e safety data sheet		
Cambridge Isotope Laboratories, Inc. 50 Frontage Road Andover, MA 01810 USA			
USA: 1-800-322-1174 Int: 1-978-749- cilsales@isotope.com www.isotope.com			
Emergency telephone numb	ber ser ser ser ser ser ser ser ser ser s		
Emergency numbers:			
Chemtrec: 1-800-424-9300 (24 hours) International: 1-703-741-5970 (24 hour	rs)		
SECTION 2: Hazards identifica	ation		
2.1. Classification of the substar	nce or mixture		
Classification according to Regulation (EC) No. 1272/2008 [CLP]Flam. Liq. 3H226Acute Tox. 4 (Inhalation)H332Skin Irrit. 2H315Eye Irrit. 2H319STOT SE 3H336Asp. Tox. 1H304			
Full text of classification categories and	H statements : see section 16		
Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] F; R11 Xn; R65 Xi; R38 R67 Full text of R-phrases: see section 16			
GHS-US classification			
Flam. Liq. 3 H226 Acute Tox. 4 (Inhalation:vapour) H332 Skip Irrit 2 H315			

 Actual Tox. 4 (Initialition: vapour)
 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

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.

Labelling according to Regulation (EC) No.	o. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS02 GHS08 GHS07
Signal word (CLP)	: Danger
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)	
Signal word (GHS-US)	GHS02 GHS08 GHS07 : 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
Precautionary statements (GHS-US)	 P210 - Keep away from heat, hot surfaces, open flames, sparks No smoking 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 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 P321 - Specific treatment (see Hazard pictograms (CLP) on this label) P331 - Do NOT induce vomiting P332+P313 - If skin irritation occurs: Get medical advice/attention

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

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

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. Substance

Not applicable

News	Dreduct identifier	0/	
Name	Product identifier	%	Classification according to Directive 67/548/EEC
N-NONANE UNLABELED	(CAS No) 111-84-2 (EC no) 203-913-4	99.99986	R10 Xn; R20 Xn; R65 R67 Xi; R38
1,2,3,4,6,7-HEXACHLORODIBENZO-P-DIOXIN (13C12, 99%)	(CAS No) NA	0.000056	Xn; R22 Xn; R65 R53
1,2,3,4,6,8,9-HEPTACHLORODIBENZOFURAN (13C12, 99%)	(CAS No) 69698-58-4 (Unlabeled)	0.000056	Xn; R22 Xi; R36 R53
1,2,3,4-TETRACHLORODIBENZO-P-DIOXIN (13C12, 99%)	(CAS No) 116865-58-8	0.000028	Muta.Cat.3; R68 T+; R27 Xn; R65 R53
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	99.99986	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
1,2,3,4,6,7-HEXACHLORODIBENZO-P-DIOXIN (13C12, 99%)	(CAS No) NA	0.000056	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,4,6,8,9-HEPTACHLORODIBENZOFURAN (13C12, 99%)	(CAS No) 69698-58-4 (Unlabeled)	0.000056	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 4, H413
1,2,3,4-TETRACHLORODIBENZO-P-DIOXIN (13C12, 99%)	(CAS No) 116865-58-8	0.000028	Acute Tox. 1 (Dermal), H310 Muta. 2, H341 STOT SE 2, H371 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
Name	Product identifier	%	GHS-US classification
N-NONANE UNLABELED	(CAS No) 111-84-2	99.99986	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

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

SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general	Move out of dangerous area. Consult a physician and show this safety data sheet.			
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. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse.			
First-aid measures after eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.			
First-aid measures after ingestion	Immediately call a POISON CENTER or doctor/physician.			
4.2. Most important symptoms and effects	, both acute and delayed			
Symptoms/injuries after inhalation	Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause drowsiness or dizziness.			
-, ,	Causes skin irritation.			
	Causes eye irritation.			
	May be fatal if swallowed and enters airways.			
	ttention and special treatment needed			
No additional information available				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media	For small fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.			
5.2. Special hazards arising from the subs				
	Flammable liquid and vapour.			
	May form flammable/explosive vapour-air mixture.			
Reactivity	Vapors may form explosive mixture with air.			
5.3. Advice for firefighters				
	Wear self contained breathing apparatus for fire fighting if necessary.			
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.			
	Use water spray to cool unopened containers.			
SECTION 6: Accidental release measu				
6.1. Personal precautions, protective equi				
General measures :	Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.			
6.1.1. For non-emergency personnel				
Emergency procedures :	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.			
6.1.2. For emergency responders No additional information available				
6.2. Environmental precautions				
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.				
6.3. Methods and material for containment				
	Contain spillage, then collect with non-combustible absorbent material. Disposal should be in accordance with applicable Federal, State and local regulations.			
6.4. Reference to other sections				
No additional information available				
SECTION 7: Handling and storage				
7.1. Precautions for safe handling	Handle ampty containers with care because residual yapayre are flore while			
	Handle empty containers with care because residual vapours are flammable.			
Precautions for safe handling	No naked lights. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area.			
07/02/2017	EN (English) 4/11			

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

Hygiene measures		:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
7.2.	Conditions for safe storage, includ	ling	any incompatibilities
Techni	cal measures	:	Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.
Storag	e 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			
DIOXIN&FURAN FOOD/FEED/G	QQ 10X INJECTION STANDARD SOLUTION (13C12, 99%) IN NONANE		
Italy - Portugal - USA ACGIH	CGIH TWA (ppm) 200 ppm Central Nervous System impairment.		
N-NONANE UNLABELED (111-	4-2)		
Italy - Portugal - USA ACGIH	CGIH TWA (ppm) 200 ppm Central Nervous System impairment.		
8.2. Exposure controls			
Appropriate engineering controls	: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.		
Personal protective equipment	: Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.		
Hand protection	: protective gloves.		
Eye protection	: Wear safety glasses with side shields (or goggles) and a face shield.		
Skin and body protection	: Choose body protection according to the amount and concentration of the dangerous substance at the work place.		
Respiratory protection	: When appropriate, use NIOSH/CEN approved respirator.		
Environmental exposure controls	: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.		

SECTION 9: Physical and chemical properties

SECTION 9: Physical and chemica		
9.1. Information on basic physical and		
The properties listed below are for the solvent, the main com		
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	: No data available	
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	: 12.4 hPa (9.3 mmHg) at 37.7 °C (99.9 °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)	
Solubility	: Water: 0 %	
Log Pow	: 5.65	
Log Kow	: No data available	
07/02/2017	EN (English)	5/11

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	
Viscosity, kinematic	: No data available
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 react	vity
10.1. Reactivity	
Vapors may form explosive mixture with air	
10.2. Chemical stability	
See storage and expiration date on CoA.	
10.3. Possibility of hazardous reaction	ons
No additional information available	
10.4. Conditions to avoid	
Open flame. Overheating. Direct sunlight. H	Heat, Sparks,
10.5. Incompatible materials	
Strong oxidizing agents.	
10.6. Hazardous decomposition proc	ducts
May release flammable gases.	
SECTION 11: Toxicological infor	rmation
11.1. Information on toxicological ef	
Acute toxicity	: Inhalation: Harmful if inhaled.
•	(INJECTION STANDARD SOLUTION (13C12, 99%) IN NONANE
LC50 inhalation rat (mg/l)	23760 mg/m ³ male - 4 h
LC50 inhalation rat (ppm)	3200 ppm/4h
ATE CLP (gases)	3200.000 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h
N-NONANE UNLABELED (111-84-2)	
LC50 inhalation rat (mg/l)	23760 mg/m ³ male - 4 h
LC50 inhalation rat (ppm)	3200 ppm/4h
ATE CLP (gases)	3200.000 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	23.760 mg/l/4h
1,2,3,4-TETRACHLORODIBENZO-P-DIC	DXIN (13C12, 99%) (116865-58-8)
LD50 oral	0.013 mg/kg
LD50 dermal	0.275 mg/kg
ATE CLP (dermal)	5.000 mg/kg bodyweight
1,2,3,4,6,7-HEXACHLORODIBENZO-P-I	DIOXIN (13C12, 99%) (NA)
ATE CLP (oral)	500.000 mg/kg bodyweight
1,2,3,4,6,8,9-HEPTACHLORODIBENZO	FURAN (13C12, 99%) (69698-58-4 (Unlabeled))
ATE CLP (oral)	500.000 mg/kg bodyweight
Skin corrosion/irritation	Causes skin irritation.
	Skin - rat - Skin irritation - Draize test
Serious eye damage/irritation	: Causes serious eye irritation.
	No data available
Respiratory or skin sensitisation	: Not available
	No data available
Germ cell mutagenicity	: Not available
Carcinogenicity	: Not classified
Reproductive toxicity	: Not available

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

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	Specific target organ toxicity (single exposure)	:	May cause drowsiness or dizziness. May cause drowsiness or dizziness.
	Specific target organ toxicity (repeated exposure)	:	Not classified No data available
	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 eye irritation.
	Symptoms/injuries after ingestion	:	May be fatal if swallowed and enters airways.

SECT	ION 12: Ecological information		
12.1.	Toxicity		
Nie estat			

No additional information available

12.2. Persistence and degradability

1,2,3,4-TETRACHLORODIBENZO-P-DIOXIN (13C12, 99%) (116865-58-8)		
Persistence and degradability May cause long-term adverse effects in the environment.		
1,2,3,4,6,8,9-HEPTACHLORODIBENZOFURAN (13C12, 99%) (69698-58-4 (Unlabeled))		
Persistence and degradability	Not available.	
12.3. Bioaccumulative potential		
DIOXIN&FURAN FOOD/FEED/QQQ 10X INJEC	CTION STANDARD SOLUTION (13C12, 99%) IN NONANE	
Log Pow	5.65	
Bioaccumulative potential	Indication of bioaccumulation.	
N-NONANE UNLABELED (111-84-2)		
Log Pow	5.65	
Bioaccumulative potential	Indication of bioaccumulation.	
1,2,3,4,6,8,9-HEPTACHLORODIBENZOFURA	N (13C12, 99%) (69698-58-4 (Unlabeled))	
Bioaccumulative potential	Not available.	
12.4. Mobility in soil		
1,2,3,4,6,8,9-HEPTACHLORODIBENZOFURAN	N (13C12, 99%) (69698-58-4 (Unlabeled))	
Ecology - soil	Not available.	
12.5. Results of PBT and vPvB assessmen	t	
No additional information available		
12.6. Other adverse effects		
Other adverse effects	: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
SECTION 13: Disposal consideration	S	
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	: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.	
Ecology - waste materials	: Dispose of as unused product.	
SECTION 14: Transport information		
In accordance with ADR / RID / IMDG / IATA / ADN		
14.1. UN number		
UN-No.(DOT)	: 1920	
DOT NA no.	UN1920	

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

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
	3
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 (31H174 and 31H2); 24H22 34H22 34H2
	(31HZ1 and 31HA2, 31HB2, 31HN2, 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 178.275(d)(3)
	TP1 - The maximum degree of filling must not exceed the degree of filling determined by the
	following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during
	filling.
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	
Packing group (ADR)	: 111
Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 30
Classification code (ADR)	: F1
Danger labels (ADR)	: 3 - Flammable liquids
	3
Orange plates	30
	1920
Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	5L
EAC code	: 3Y
Excepted quantities (ADR)	: E1
Transport by sea	
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a
	passenger vessel.
MFAG-No	: 128
Air transport	
DOT Quantity Limitations Passenger aircraft/rail	: 60 L
(49 CFR 173.27)	
07/00/2017	

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

DOT Quantity Limitations Cargo aircraft only (49 : 220 L CFR 175.75)				
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						
DIOXIN&FURAN FOOD/FEED/QQQ 10X INJECTION STANDARD SOLUTION (13C12, 99%) IN NONANE						
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard					
N-NONANE UNLABELED (111-84-2)						
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard					

15.2. International regulations

CANADA

DIOXIN&FURAN FOOD/FEED/QQQ 10X INJECTION STANDARD SOLUTION (13C12, 99%) IN NONANE Listed on the Canadian DSL (Domestic Substances List)

15.2.1. National regulations

No additional information available

15.3. US State regulations							
DIOXIN&FURAN FOOD/FEED/QQQ 10X INJECTION STANDARD SOLUTION (13C12, 99%) IN NONANE()							
U.S California - Propositio	on 65 - Carcinogens List	No					
U.S California - Propositio Toxicity	on 65 - Developmental	No					
U.S California - Propositio Toxicity - Female	on 65 - Reproductive	No					
U.S California - Propositio Toxicity - Male	on 65 - Reproductive	No					
State or local regulations		U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.					
N-NONANE UNLABELED (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 significance risk level (NSRL)			
No	No	No	No				
N-NONANE UNLABELED (111-84-2)							
State or local regulations							

U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - New Jersey - Right to Know Hazardous Substance List

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

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:

text of R-, H- and EUH-statements:		
Acute Tox. 1 (Dermal)	Acute toxicity (dermal), Category 1	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4	
Asp. Tox. 1	Aspiration hazard, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
Muta. 2	Germ cell mutagenicity, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis	
H226	Flammable liquid and vapour	
H302	Harmful 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	
H341	Suspected of causing genetic defects	
H371	May cause damage to organs	
H413	May cause long lasting harmful effects to aquatic life	
R10	Flammable	
R11	Highly flammable	
R20	Harmful by inhalation	
R22	Harmful if swallowed	
R27	Very toxic in contact with skin	
R36	Irritating to eyes	
R38	Irritating to skin	
R53	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	
R68	Possible risk of irreversible effects	
F	Highly flammable	
T+	Very toxic	
Xi	Irritant	
Xn	Harmful	
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NFPA health	hazard
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NFPA fire hazard

NFPA reactivity

HMIS III Rating

Health
Flammability
Physical

: 2 Moderate Hazard - Temporary or minor injury may occur

2 - Materials that, under emergency conditions, can cause

: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient

: 0 - Material that in themselves are normally stable, even

temporary incapacitation or residual injury.

: 3 Serious Hazard

temperature conditions

under fire conditions.

:

: 0 Minimal Hazard

CIL Mixture SDS

0

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

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