

TWO COLUMN DIOXIN AND FURAN NATIVE STOCK SOLUTION UNLABELED 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: 17/02/2021
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 :
 Version: 1.0

 EDF-5645

SECTION 1: Identification of	the substance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixtures
Product name	: TWO COLUMN DIOXIN AND FURAN NATIVE STOCK SOLUTION UNLABELED IN NONANE
Product code	: EDF-5645
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 supplication of the supplicati	ne safety data sheet
Cambridge Isotope Laboratories, Inc. 50 Frontage Road Andover, MA 01810 USA USA: 1-800-322-1174 Int: 1-978-749	
<u>cilsales@isotope.com</u> www.isotope.	
Emergency telephone num	iber
Emergency numbers:	
Chemtrec: 1-800-424-9300 (24 hours International: 1-703-741-5970 (24 ho	
SECTION 2: Hazards identifie	cation
2.1. Classification of the subst	ance or mixture
Classification according to Regulati	on (EC) No. 1272/2008 [CLP]
Flam. Liq. 3 H226	
Acute Tox. 4 (Inhalation:vapour) H332	
Skin Irrit. 2 H31	
Eye Irrit. 2 H319	
STOT SE 3 H336	
Asp. Tox. 1 H304	•
Full text of hazard classes and H-state	ments : see section 16
Classification according to Directive	e 67/548/EEC [DSD] or 1999/45/EC [DPD]
R10 Xn; R20 Xn; R65 Xi; R36/38 R67	
Full text of R-phrases: see section 16	
GHS-US classification	

GHS-US classification

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 H statements : see section 16

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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.



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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

 P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), dry extinguishing powder 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 hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation 			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 hazardous or special waste collection point, in
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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	88.8952	R10 Xn; R20 Xn; R65 Xi; R36/38 R67
TOLUENE UNLABELED	(CAS-No.) 108-88-3 (EC-No.) 203-625-9 (EC Index-No.) 601-021-00-3 (REACH-no) 01-2119471310-51	11.10033	F; R11 Xi; R38 Xn; R65 Repr.Cat.3; R62 Repr.Cat.3; R63 R67 N; R51/53 Xn; R48/20
OCTACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 3268-87-9	0.00055	T+; R28 Xi; R36 Carc.Cat.3; R40
OCTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 39001-02-0	0.00055	Xn; R22 Xi; R36 R53
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 39227-28-6	0.00022	Xn; R22 Xn; R65 R53
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 19408-74-3	0.00022	Xn; R20/21/22 Carc.Cat.1; R45
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 70648-26-9	0.00022	Xn; R22 Xi; R36 R53
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 57652-85-7	0.00022	Xn; R22 Xn; R65 R53
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 35822-46-9	0.00022	Xn; R22 Xn; R65 R53
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 57117-44-9	0.00022	Xn; R22 Xi; R36 R53
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 72918-21-9	0.00022	Xn; R22 Xi; R36 R53
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 60851-34-5	0.00022	Xn; R22 Xi; R36 R53

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Name	Product identifier	%	Classification according to Directive 67/548/EEC
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 67562-39-4	0.00022	Xn; R22 Xi; R36 R53
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 55673-89-7	0.00022	Xn; R22 Xi; R36 R53
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 1746-01-6	0.00011	Xn; R22 Xn; R65 R53
1,3,6,8-TETRACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 33423-92-6	0.00011	T+; R26/27/28 Carc.Cat.1; R45
1,3,7,9-TETRACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 62470-53-5	0.00011	T+; R26/27/28 Carc.Cat.1; R45
1,2,8,9-TETRACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 62470-54-6	0.00011	T+; R26/27/28 Carc.Cat.1; R45
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 40321-76-4	0.00011	Xn; R22 Xn; R65 R53
2,3,7,8-TETRACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 51207-31-9	0.00011	Xn; R22 Xi; R36 R53
1,3,6,8-TETRACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 71998-72-6	0.00011	Xi; R36/37/38 Xn; R22 R53
1,2,7,8-TETRACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 58802-20-3	0.00011	Xi; R36/37/38 Xn; R22 R53
1,2,8,9-TETRACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 70648-22-5 (EC-No.) (EC Index-No.)	0.00011	Xi; R36/37/38 Xn; R22 R53
2,3,4,7,8-PENTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 57117-31-4	0.00011	Xn; R22 Xi; R36 R53
1,2,3,7,8-PENTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 57117-41-6	0.00011	Xn; R22 Xi; R36 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	88.8952	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
TOLUENE UNLABELED	(CAS-No.) 108-88-3 (EC-No.) 203-625-9 (EC Index-No.) 601-021-00-3 (REACH-no) 01-2119471310-51	11.10033	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
OCTACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 3268-87-9	0.00055	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
OCTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 39001-02-0	0.00055	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 4, H413
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 39227-28-6	0.00022	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413

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1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 19408-74-3	0.00022	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist) H332 Carc. 1A, H350
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 70648-26-9	0.00022	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 4, H413
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 57652-85-7	0.00022	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 35822-46-9	0.00022	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 57117-44-9	0.00022	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 4, H413
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 72918-21-9	0.00022	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 4, H413
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 60851-34-5	0.00022	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 4, H413
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 67562-39-4	0.00022	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 4, H413
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 55673-89-7	0.00022	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 4, H413
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 1746-01-6	0.00011	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,3,6,8-TETRACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 33423-92-6	0.00011	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation:dust,mist) H330 Carc. 1A, H350
1,3,7,9-TETRACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 62470-53-5	0.00011	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation:dust,mist) H330 Carc. 1A, H350
1,2,8,9-TETRACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 62470-54-6	0.00011	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation:dust,mist) H330 Carc. 1A, H350
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 40321-76-4	0.00011	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
2,3,7,8-TETRACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 51207-31-9	0.00011	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 4, H413
1,3,6,8-TETRACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 71998-72-6	0.00011	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 4, H413
1,2,7,8-TETRACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 58802-20-3	0.00011	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 4, H413
1,2,8,9-TETRACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 70648-22-5 (EC-No.) (EC Index-No.)	0.00011	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 4, H413
2,3,4,7,8-PENTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 57117-31-4	0.00011	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 4, H413
1,2,3,7,8-PENTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 57117-41-6	0.00011	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 4, H413

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N-NONANE UNLABELED	(CAS-No.) 111-84-2	88.8952	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
TOLUENE UNLABELED	(CAS-No.) 108-88-3	11.10033	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401
OCTACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 3268-87-9	0.00055	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
OCTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 39001-02-0	0.00055	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Chronic 4, H413
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 39227-28-6	0.00022	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 19408-74-3	0.00022	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Carc. 1A, H350
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 70648-26-9	0.00022	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Chronic 4, H413
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 57652-85-7	0.00022	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 35822-46-9	0.00022	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 57117-44-9	0.00022	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Chronic 4, H413
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 72918-21-9	0.00022	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Chronic 4, H413
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 60851-34-5	0.00022	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Chronic 4, H413
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 67562-39-4	0.00022	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Chronic 4, H413
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 55673-89-7	0.00022	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Chronic 4, H413
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 1746-01-6	0.00011	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
1,3,6,8-TETRACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 33423-92-6	0.00011	Acute Tox. 1 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 1 (Inhalation), H330 Carc. 1A, H350
1,3,7,9-TETRACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 62470-53-5	0.00011	Acute Tox. 1 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 1 (Inhalation), H330 Carc. 1A, H350
1,2,8,9-TETRACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 62470-54-6	0.00011	Acute Tox. 1 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 1 (Inhalation), H330 Carc. 1A, H350
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN UNLABELED	(CAS-No.) 40321-76-4	0.00011	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
2,3,7,8-TETRACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 51207-31-9	0.00011	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Chronic 4, H413
1,3,6,8-TETRACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 71998-72-6	0.00011	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 4, H413

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1,2,7,8-TETRACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 58802-20-3	0.00011	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 4, H413
1,2,8,9-TETRACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 70648-22-5	0.00011	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 4, H413
2,3,4,7,8-PENTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 57117-31-4	0.00011	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Chronic 4, H413
1,2,3,7,8-PENTACHLORODIBENZOFURAN UNLABELED	(CAS-No.) 57117-41-6	0.00011	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Aquatic Chronic 4, H413

Full text of R- and H- phrases: 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 person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell. Give oxygen or artificial respiration if necessary.
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	: Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and e	ffects, both acute and delayed
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: Harmful if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation. May be harmful in contact with skin.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. Risk of lung edema.
4.3. Indication of any immediate med	lical attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measure	S
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide. Alcohol resistant foam.
5.2. Special hazards arising from the Fire hazard	: Flammable liquid and vapor.
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	e equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: 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.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Prevent entry to sewers and public waters. A	void release to the environment.

Prevent entry to sewers and public waters. Avoid release to the environment.

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6.3. Methods and material for containme	ent and cleaning up			
For containment	: Dike and contain spill. Dispose as hazardous waste. Comply with local regulations for disposal.			
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.			
Other information	: Dispose of materials or solid residues at an authorized site.			
6.4. Reference to other sections				
For further information refer to section 13.				
SECTION 7: Handling and storage				
7.1. Precautions for safe handling				
Additional hazards when processed	: Avoid all contact with skin, eyes, or clothing. Keep away from sources of ignition - No smoking. Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer). Take precautionary measures against static discharges.			
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, including any incompatibilities				
Technical measures	: Store in a well-ventilated place. Keep container tightly closed. Keep dry. Ground/bond container and receiving equipment.			
Storage conditions	: Store at room temperature away from light and moisture.			
7.3. Specific end use(s)				

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters				
TWO COLUMN DIOXIN AND FURAN NATIVE STOCK SOLUTION UNLABELED 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		
USA NIOSH	NIOSH REL (TWA) (mg/m³)	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.		
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/m³)	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		

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N-NONANE UNLABELED (11	1-84-2)	
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 ³)	1050 California permissible exposure limits for chemical contaminants.
USA OSHA	OSHA PEL (Ceiling) (ppm)	200 ppm California permissible exposure limits for chemical contaminants.
TOLUENE UNLABELED (108	-88-3)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	20.00000000 ppm USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Visual impairment. Female reproductive. Pregnancy loss. 2015 Adoption. Substances for which there is a Biological Exposure Index or Indices (see BEI® section). Not classifiable as a human carcinogen.; Component: Toluene CAS-No.: 108-88-3 Parameters: Toluene Value: 0.0300 mg/l Biological specimen: Urine Remarks: End of shift (As soon as possible after exposure ceases) Basis: ACGIH - Biological Exposure Indices (BEI); Component: Toluene CAS- No.: 108-88-3 Parameters: Toluene Value: 0.0200 mg/l Biological specimen: In blood Remarks: Prior to last shift of workweek Basis: ACGIH - Biological Exposure Indices (BEI); Component: Toluene CAS- No.: 108-88-3 Parameters: o-Cresol Value: 0.3000 mg/g Biological specimen: Urine Remarks: End of shift (As soon as possible after exposure ceases) Basis: ACGIH - Biological Exposure Indices (BEI)
USA NIOSH	NIOSH REL (TWA) (mg/m³)	375 mg/m ³ USA. NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (TWA) (ppm)	100 ppm USA. NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	560 mg/m ³ USA. NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (ppm)	150 ppm USA. NIOSH Recommended Exposure Limits
USA OSHA	OSHA PEL (TWA) (mg/m³)	375 mg/m ³ USA. OSHA - TABLE Z-1 Limits for Air Contaminants 1910.1000
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants 1910.1000
USA OSHA	OSHA PEL (STEL) (mg/m ³)	560 mg/m ³ USA. OSHA - TABLE Z-1 Limits for Air Contaminants 1910.1000
USA OSHA	OSHA PEL (STEL) (ppm)	150 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants 1910.1000
USA OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-2
USA OSHA	Remark (OSHA)	OSHA PEL (TWA) - 200 ppm - USA. Occupational Exposure Limits (OSHA) - Table Z-2. Remarks: Z37.12-1967

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 Hand protection Eye protection Skin and body protection : Wear suitable protective clothing and gloves.

: protective gloves.

- : Chemical goggles or face shield. Chemical goggles or safety glasses.
- : Wear suitable protective clothing, gloves and eye/face protection.

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Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Approved respirator.
Environmental exposure controls	: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Appearance	: Liquid
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	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

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 reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2).

SECTION 11: Toxicological informatio	n
11.1. Information on toxicological effects	
Acute toxicity :	Inhalation:vapour: Harmful if inhaled.
TWO COLUMN DIOXIN AND FURAN NATIVE S	TOCK SOLUTION UNLABELED IN NONANE
LC50 inhalation rat (mg/l)	23760 mg/m ³ male - 4 h

	11.000 mg/l/4h Result: Skin Irritation (Draize Test)	
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TWO COLUMN DIOXIN AND FURAN NATIVE STOCK SOLUTION UNLABELED IN NONANE	
Additional information	: S. Typhimurium Result: negative
N-NONANE UNLABELED (111-84-2)	
LC50 inhalation rat (mg/l)	23760 mg/m ³ 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
TOLUENE UNLABELED (108-88-3) LD50 oral rat	> 5580 mg/kg
LD50 dermal rabbit	12196 mg/kg
LC50 inhalation rat (mg/l)	12,500 - 28,800 mg/m3 - 4 h
ATE CLP (dermal)	12196.000 mg/kg body weight
ATE CLP (vapors)	12.500 mg/l/4h
ATE CLP (dust, mist)	12.500 mg/l/4h
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN UI	
ATE CLP (oral)	500.000 mg/kg body weight
1,3,6,8-TETRACHLORODIBENZO-P-DIOXIN UI ATE CLP (oral)	
ATE CLP (oral) ATE CLP (dermal)	5.000 mg/kg body weight 5.000 mg/kg body weight
ATE CLP (dermai) ATE CLP (dust, mist)	0.050 mg/l/4h
, ,	
1,3,7,9-TETRACHLORODIBENZO-P-DIOXIN U	
ATE CLP (oral)	5.000 mg/kg body weight
ATE CLP (dermal)	5.000 mg/kg body weight
ATE CLP (dust, mist)	0.050 mg/l/4h
1,2,8,9-TETRACHLORODIBENZO-P-DIOXIN UI	
ATE CLP (oral)	5.000 mg/kg body weight
ATE CLP (dermal)	5.000 mg/kg body weight
ATE CLP (dust, mist)	0.050 mg/l/4h
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	
ATE CLP (oral)	500.000 mg/kg body weight
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	UNLABELED (39227-28-6)
ATE CLP (oral)	500.000 mg/kg body weight
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	UNLABELED (19408-74-3)
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (dust, mist)	1.500 mg/l/4h
2,3,7,8-TETRACHLORODIBENZOFURAN UNLA	ABELED (51207-31-9)
ATE CLP (oral)	500.000 mg/kg body weight
1,3,6,8-TETRACHLORODIBENZOFURAN UNL	ABELED (71998-72-6)
ATE CLP (oral)	500.000 mg/kg body weight
1,2,7,8-TETRACHLORODIBENZOFURAN UNL	ABELED (58802-20-3)
ATE CLP (oral)	500.000 ma/kg body weight
1,2,8,9-TETRACHLORODIBENZOFURAN UNL	
ATE CLP (oral)	500.000 mg/kg body weight
2,3,4,7,8-PENTACHLORODIBENZOFURAN UN ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (oral)	500.000 mg/kg body weight
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN UN	
ATE CLP (oral)	500.000 mg/kg body weight
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	UNLABELED (57652-85-7)
ATE CLP (oral)	500.000 mg/kg body weight
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIO	(IN UNLABELED (35822-46-9)
ATE CLP (oral)	500.000 mg/kg body weight
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1,2,3,6,7,8-HEXACHLORODIBENZOFURAN UNLABELED (57117-44-9)		
ATE CLP (oral)	500.000 mg/kg body weight	
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN U	NLABELED (72918-21-9)	
ATE CLP (oral)	500.000 mg/kg body weight	
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN U	NLABELED (60851-34-5)	
ATE CLP (oral)	500.000 mg/kg body weight	
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURA	N UNLABELED (67562-39-4)	
ATE CLP (oral)	500.000 mg/kg body weight	
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURA	N UNLABELED (55673-89-7)	
ATE CLP (oral)	500.000 mg/kg body weight	
OCTACHLORODIBENZO-P-DIOXIN UNLABE	_ED (3268-87-9)	
ATE CLP (oral)	500.000 mg/kg body weight	
OCTACHLORODIBENZOFURAN UNLABELE	D (39001-02-0)	
ATE CLP (oral)	500.000 mg/kg body weight	
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	: Harmful if inhaled. May cause respiratory irritation.	
Symptoms/effects after skin contact	: Causes skin irritation. May be harmful in contact with skin.	
Symptoms/effects after eye contact	: Causes serious eye irritation.	
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. Risk of lung edema.	

SECTION 12: Ecological informat	ion
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
TOLUENE UNLABELED (108-88-3)	
EC50 Daphnia 1	8 mg/l Daphnia magna (Water flea) - 24h
LC50 fish 2	7.63 mg/l Opcorbypchus mykiss (Rainbow trout) - 96 h

LC50 fish 2	7.63 mg/l Oncorhynchus mykiss (Rainbow trout) - 96 h
EC50 Daphnia 2	6 mg/l Daphnia magna (Water flea) - Immobilization - 48 h
ErC50 (algae)	245 mg/l Chlorella vulgaris (Fresh water algae) - 24 h
ErC50 (other aquatic plants)	10 mg/l Pseudokirchneriella subcapitata (Green algae) - 24 h
NOEC (chronic)	5.44 mg/l Pimephales promelas (fathead minnow) - 7 d

12.2. Persistence and degradability

TOLUENE UNLABELED (108-88-3)	
Persistence and degradability	Readily biodegradable.
12.3. Bioaccumulative potential	
TWO COLUMN DIOXIN AND FURAN NATIVE S	TOCK SOLUTION UNLABELED IN NONANE
Bioaccumulative potential	Indication of bioaccumulation.
N-NONANE UNLABELED (111-84-2)	
Log Pow	5.65
Bioaccumulative potential	Indication of bioaccumulation.

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TOLUENE UNLABELED (108-88-3)	
BCF fish 1	0.05 mg/l Leuciscus idus (Golden orfe) - 3 d
Bioconcentration factor (BCF REACH)	90
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessmen	it
TOLUENE UNLABELED (108-88-3)	
PBT: not relevant - no registration required	
12.6. Other adverse effects	
Other adverse effects	: Disposal must be done according to official regulations.
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 / AD	N
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
	FLAMMABLE LIQUD
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 (31H21 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
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
Marine pollutant	: No
14.3. Additional information	
Emergency Response Guide (ERG) Number	: 128
Other information	: No supplementary information available.

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Overland transport	
881()	: 111
Class (ADR)	: 3 - Flammable liquid
· · · · · · · · · · · · · · · · · · ·	: 30
	: F1
Hazard labels (ADR)	: 3 - Flammable liquids
	3
Orange plates	30 1920
Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	51
EAC	: 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	. 601
(49 CFR 173.27)	
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
	: Flammable liquids
14.4. Environmental hazards	
	: No supplementary information available.
14.5. Special precautions for user	
	II of MARROL 79/70 and the IRC Code
14.6. Transport in bulk according to Annex Not applicable	II of MARPOL 73/78 and the IBC Code
SECTION 15: Regulatory information	
15.1. US Federal regulations	
TWO COLUMN DIOXIN AND FURAN NATIVE S	STOCK SOLUTION UNLABELED IN NONANE
Listed on the United States TSCA (Toxic Substa	
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 (111-84-2)	
Listed on the United States TSCA (Toxic Substa	nces 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.
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TOLUENE UNLABELED (108-88-3)	
Listed on the United States TSCA (Toxic Substa	nces Control Act) inventory
CERCLA RQ	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN U	NLABELED (1746-01-6)
Not listed on the United States TSCA (Toxic Sub	stances Control Act) inventory
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
1,3,6,8-TETRACHLORODIBENZO-P-DIOXIN U	NLABELED (33423-92-6)
Not listed on the United States TSCA (Toxic Sub	stances Control Act) inventory
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
1,3,7,9-TETRACHLORODIBENZO-P-DIOXIN U	NLABELED (62470-53-5)
Not listed on the United States TSCA (Toxic Sub	ostances Control Act) inventory
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
1,2,8,9-TETRACHLORODIBENZO-P-DIOXIN U	NLABELED (62470-54-6)
Not listed on the United States TSCA (Toxic Sub	stances Control Act) inventory
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	UNLABELED (40321-76-4)
Not listed on the United States TSCA (Toxic Sub	stances Control Act) inventory
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	UNLABELED (39227-28-6)
Not listed on the United States TSCA (Toxic Sub	stances Control Act) inventory
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	UNLABELED (19408-74-3)
Not listed on the United States TSCA (Toxic Sub	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
2,3,7,8-TETRACHLORODIBENZOFURAN UNL	ABELED (51207-31-9)
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
1,3,6,8-TETRACHLORODIBENZOFURAN UNL	ABELED (71998-72-6)
Not listed on the United States TSCA (Toxic Sub	ostances Control Act) inventory
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporing requirements of the United States SARA Section 302.
	Not subject to reporing requirements of the United States SARA Section 313.
SARA Section 313 - Emission Reporting	
SARA Section 313 - Emission Reporting 1,2,7,8-TETRACHLORODIBENZOFURAN UNL	ABELED (58802-20-3)
1,2,7,8-TETRACHLORODIBENZOFURAN UNL	

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1,2,8,9-TETRACHLORODIBENZOFURAN UNLA		
Not listed on the United States TSCA (Toxic Subs		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
2,3,4,7,8-PENTACHLORODIBENZOFURAN UN	LABELED (57117-31-4)	
SARA Section 302 Threshold Planning	Not subject to reporting requirements of the United States SARA Section 302.	
Quantity (TPQ)		
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
1,2,3,7,8-PENTACHLORODIBENZOFURAN UN	LABELED (57117-41-6)	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN UN	LABELED (70648-26-9)	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN		
Not listed on the United States TSCA (Toxic Subs		
SARA Section 302 Threshold Planning	Not subject to reporting requirements of the United States SARA Section 302.	
Quantity (TPQ)		
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOX		
Not listed on the United States TSCA (Toxic Subs		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN UN	ILABELED (57117-44-9)	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN UN	ILABELED (72918-21-9)	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN UN	HABELED (60851-34-5)	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
OCTACHLORODIBENZO-P-DIOXIN UNLABELED (3268-87-9)		
Not listed on the United States TSCA (Toxic Subs		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
OCTACHLORODIBENZOFURAN UNLABELED	(39001-02-0)	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	

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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

15.2. International regulations
CANADA
TWO COLUMN DIOXIN AND FURAN NATIVE STOCK SOLUTION UNLABELED IN NONANE
Listed on the Canadian DSL (Domestic Substances List)
N-NONANE UNLABELED (111-84-2)
Listed on the Canadian DSL (Domestic Substances List)
TOLUENE UNLABELED (108-88-3)
Listed on the Canadian DSL (Domestic Substances List)
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN UNLABELED (1746-01-6)
Not listed on the Canadian DSL (Domestic Substances List)

15.2.1. National regulations

1,3,6,8-TETRACHLORODIBENZO-P-DIOXIN UNLABELED (33423-92-6)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
1,3,7,9-TETRACHLORODIBENZO-P-DIOXIN UNLABELED (62470-53-5)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
1,2,8,9-TETRACHLORODIBENZO-P-DIOXIN UNLABELED (62470-54-6)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN UNLABELED (40321-76-4)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN UNLABELED (39227-28-6)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN UNLABELED (19408-74-3)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
1,3,6,8-TETRACHLORODIBENZOFURAN UNLABELED (71998-72-6)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
1,2,7,8-TETRACHLORODIBENZOFURAN UNLABELED (58802-20-3)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
1,2,8,9-TETRACHLORODIBENZOFURAN UNLABELED (70648-22-5)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN UNLABELED (57652-85-7)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN UNLABELED (35822-46-9)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
OCTACHLORODIBENZO-P-DIOXIN UNLABELED (3268-87-9)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

15.3. US State regulations

TWO COLUMN DIOXIN AND FURAN NATIVE STOCK SOLUTION UNLABELED IN NONANE()					
U.S California - Proposition 65 - Carcinogens List		N	0		
U.S California - Proposition 65 - Developmental Toxicity		N	0		
U.S California - Proposition 65 - Reproductive Toxicity - Female		N	0		
U.S California - Proposition 65 - Reproductive Toxicity - Male		No			
State or local regulations		U U U	.S New Jersey - Right to Kno .S Massachusetts - Right To .S Pennsylvania - RTK (Righ	Know List	
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 -	U.S California - Proposition 65 - Reproductive Toxicity -	No significant risk level (NSRL)

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N-NONANE UNLABELE	ED (111-84-2)			
		Female	Male	
No	No	No	No	
TOLUENE UNLABELEI U.S California -				No similiant viale lavel
0.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	Yes	No	No	
2,3,7,8-TETRACHLORO	DDIBENZO-P-DIOXIN UNLABEL	ED (1746-01-6)		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRĽ)
Yes	Yes	Yes	Yes	
	DDIBENZO-P-DIOXIN UNLABEL	· · · · ·		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)
Yes	No	No	No	
1,3,7,9-TETRACHLORO	DDIBENZO-P-DIOXIN UNLABEL	ED (62470-53-5)		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)
Yes	No	No	No	
1.2.8.9-TETRACHLORC	DDIBENZO-P-DIOXIN UNLABEL	ED (62470-54-6)		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRĽ)
Yes	No	No	No	
1,2,3,7,8-PENTACHLO	RODIBENZO-P-DIOXIN UNLABI	ELED (40321-76-4)		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)
Yes	No	No	No	
1,2,3,4,7,8-HEXACHLO	RODIBENZO-P-DIOXIN UNLAB	ELED (39227-28-6)		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRĽ)
Yes	No	No	No	
1,2,3,7,8,9-HEXACHLO	RODIBENZO-P-DIOXIN UNLAB	ELED (19408-74-3)		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)
Yes	No	No	No	
2,3,7,8-TETRACHLORC	DDIBENZOFURAN UNLABELED	D (51207-31-9)		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)

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2,3,7,8-TETRACHLOROD	IBENZOFURAN UNLABELED	0 (51207-31-9)		
Yes	No	No	No	
1.3.6.8-TETRACHLOROD	IBENZOFURAN UNLABELED	0 (71998-72-6)		
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)
Yes	No	No	No	
1.2.7.8-TETRACHLOROD	IBENZOFURAN UNLABELED) (58802-20-3)		1
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRĽ)
Yes	No	No	No	
1,2,8,9-TETRACHLOROD	IBENZOFURAN UNLABELE	D (70648-22-5)		
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)
Yes	No	No	No	
2,3,4,7,8-PENTACHLORC	DIBENZOFURAN UNLABELI	ED (57117-31-4)		
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)
Yes	No	No	No	
1,2,3,7,8-PENTACHLORC	DIBENZOFURAN UNLABELI	ED (57117-41-6)		
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)
Yes	No	No	No	
1,2,3,4,7,8-HEXACHLOR	DIBENZOFURAN UNLABEL	ED (70648-26-9)		•
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)
Yes	No	No	No	
1,2,3,6,7,8-HEXACHLOR	DDIBENZO-P-DIOXIN UNLAB	ELED (57652-85-7)		
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)
Yes	No	No	No	
1,2,3,4,6,7,8-HEPTACHL	DRODIBENZO-P-DIOXIN UNL	ABELED (35822-46-9)		
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)
Yes	No	No	No	
1.2.3.6.7.8-HEXACHLOR		ED (57117-44-9)		
U.S California -	U.S California - Proposition 65 -	U.S California - Proposition 65 -	U.S California - Proposition 65 -	No significant risk level (NSRL)
Proposition 65 - Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	

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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

1.2.3.7.8.9-HEXACHLOROE	DIBENZOFURAN UNLABELI	ED (72918-21-9)		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)
Yes	No	No	No	
2,3,4,6,7,8-HEXACHLOROD	DIBENZOFURAN UNLABELI	ED (60851-34-5)		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRĽ)
Yes	No	No	No	
1,2,3,4,6,7,8-HEPTACHLOR	RODIBENZOFURAN UNLAB	ELED (67562-39-4)		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)
Yes	No	No	No	
	RODIBENZOFURAN UNLAB			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)
Yes	No	No	No	
OCTACHLORODIBENZO-P	DIOXIN UNLABELED (3268	3-87-9)		
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)
Yes	No	No	No	
OCTACHLORODIBENZOFU	JRAN UNLABELED (39001-	02-0)		
			No U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
OCTACHLORODIBENZOFU U.S California - Proposition 65 -	JRAN UNLABELED (39001- U.S California - Proposition 65 -	02-0) U.S California - Proposition 65 - Reproductive Toxicity -	U.S California - Proposition 65 - Reproductive Toxicity -	
OCTACHLORODIBENZOFU U.S California - Proposition 65 - Carcinogens List Yes	JRAN UNLABELED (39001- U.S California - Proposition 65 - Developmental Toxicity No	02-0) U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	
OCTACHLORODIBENZOFU U.S California - Proposition 65 - Carcinogens List	JRAN UNLABELED (39001- U.S California - Proposition 65 - Developmental Toxicity No	02-0) U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	
OCTACHLORODIBENZOFU U.S California - Proposition 65 - Carcinogens List Yes N-NONANE UNLABELED (State or local regulations U.S Idaho - Non-Carcinoge U.S New Jersey - Right to U.S Massachusetts - Right U.S Pennsylvania - RTK (F	JRAN UNLABELED (39001- U.S California - Proposition 65 - Developmental Toxicity No 111-84-2) enic Toxic Air Pollutants - Acc Know Hazardous Substance t To Know List	02-0) U.S California - Proposition 65 - Reproductive Toxicity - Female No	U.S California - Proposition 65 - Reproductive Toxicity - Male No	
OCTACHLORODIBENZOFU U.S California - Proposition 65 - Carcinogens List Yes N-NONANE UNLABELED (State or local regulations U.S Idaho - Non-Carcinoge U.S New Jersey - Right to U.S Massachusetts - Right U.S Pennsylvania - RTK (F	JRAN UNLABELED (39001- U.S California - Proposition 65 - Developmental Toxicity No 111-84-2) enic Toxic Air Pollutants - Acc Know Hazardous Substance t To Know List Right to Know) List of Releases Part 597 - List of	02-0) U.S California - Proposition 65 - Reproductive Toxicity - Female No	U.S California - Proposition 65 - Reproductive Toxicity - Male No	
OCTACHLORODIBENZOFU U.S California - Proposition 65 - Carcinogens List Yes N-NONANE UNLABELED (* State or local regulations U.S Idaho - Non-Carcinoge U.S New Jersey - Right to U.S Massachusetts - Right U.S Pennsylvania - RTK (F U.S New York - Reporting	JRAN UNLABELED (39001- U.S California - Proposition 65 - Developmental Toxicity No 111-84-2) enic Toxic Air Pollutants - Acc Know Hazardous Substance t To Know List Right to Know) List of Releases Part 597 - List of	02-0) U.S California - Proposition 65 - Reproductive Toxicity - Female No	U.S California - Proposition 65 - Reproductive Toxicity - Male No	
OCTACHLORODIBENZOFU U.S California - Proposition 65 - Carcinogens List Yes N-NONANE UNLABELED (* State or local regulations U.S Idaho - Non-Carcinoge U.S New Jersey - Right to U.S New Jersey - Right to U.S New York - Reporting TOLUENE UNLABELED (10 State or local regulations U.S Delaware - Pollutant D U.S New Jersey - Right to	JRAN UNLABELED (39001- U.S California - Proposition 65 - Developmental Toxicity No 111-84-2) enic Toxic Air Pollutants - Acc Know Hazardous Substance t To Know List of Releases Part 597 - List of Discharge Requirements - Re Know Hazardous Substance of Releases Part 597 - List of Right to Know) List	02-0) U.S California - Proposition 65 - Reproductive Toxicity - Female No ceptable Ambient Concentratio List f Hazardous Substances	U.S California - Proposition 65 - Reproductive Toxicity - Male No	
OCTACHLORODIBENZOFU U.S California - Proposition 65 - Carcinogens List Yes N-NONANE UNLABELED (10 State or local regulations U.S Idaho - Non-Carcinoge U.S New Jersey - Right to U.S Massachusetts - Right U.S Pennsylvania - RTK (F U.S New York - Reporting TOLUENE UNLABELED (10 State or local regulations U.S Delaware - Pollutant D U.S New Jersey - Right to U.S New York - Reporting U.S New York - Reporting U.S New York - Reporting U.S New York - Reporting U.S Pennsylvania - RTK (F U.S Massachusetts - Right	JRAN UNLABELED (39001- U.S California - Proposition 65 - Developmental Toxicity No 111-84-2) enic Toxic Air Pollutants - Acc Know Hazardous Substance t To Know List of Releases Part 597 - List of Discharge Requirements - Re Know Hazardous Substance of Releases Part 597 - List of Right to Know) List	02-0) U.S California - Proposition 65 - Reproductive Toxicity - Female No Exeptable Ambient Concentratio List f Hazardous Substances portable Quantities List f Hazardous Substances	U.S California - Proposition 65 - Reproductive Toxicity - Male No	
OCTACHLORODIBENZOFU U.S California - Proposition 65 - Carcinogens List Yes N-NONANE UNLABELED (State or local regulations U.S Idaho - Non-Carcinoge U.S New Jersey - Right to U.S Massachusetts - Right U.S Pennsylvania - RTK (F U.S New York - Reporting TOLUENE UNLABELED (10 State or local regulations U.S Delaware - Pollutant D U.S New Jersey - Right to U.S New York - Reporting U.S New York - Reporting U.S New York - Reporting U.S New York - Reporting U.S Pennsylvania - RTK (F U.S Massachusetts - Right	JRAN UNLABELED (39001- U.S California - Proposition 65 - Developmental Toxicity No 111-84-2) enic Toxic Air Pollutants - Acc Know Hazardous Substance t To Know List of Releases Part 597 - List of 08-88-3) Discharge Requirements - Re Know Hazardous Substance of Releases Part 597 - List of Right to Know) List t To Know List	02-0) U.S California - Proposition 65 - Reproductive Toxicity - Female No Exeptable Ambient Concentratio List f Hazardous Substances portable Quantities List f Hazardous Substances	U.S California - Proposition 65 - Reproductive Toxicity - Male No	
OCTACHLORODIBENZOFU U.S California - Proposition 65 - Carcinogens List Yes N-NONANE UNLABELED (* State or local regulations U.S Idaho - Non-Carcinoge U.S Idaho - Non-Carcinoge U.S New Jersey - Right to U.S New Jersey - Right to U.S New York - Reporting TOLUENE UNLABELED (10 State or local regulations U.S Delaware - Pollutant D U.S New York - Reporting U.S New Jersey - Right to U.S New York - Reporting U.S Pennsylvania - RTK (F	JRAN UNLABELED (39001- U.S California - Proposition 65 - Developmental Toxicity No 111-84-2) enic Toxic Air Pollutants - Acc Know Hazardous Substance t To Know List Right to Know) List of Releases Part 597 - List of 08-88-3) Discharge Requirements - Re Know Hazardous Substance of Releases Part 597 - List of Right to Know) List t To Know List t To Know List	02-0) U.S California - Proposition 65 - Reproductive Toxicity - Female No reptable Ambient Concentratio List f Hazardous Substances portable Quantities List f Hazardous Substances ED (1746-01-6)	U.S California - Proposition 65 - Reproductive Toxicity - Male No	
OCTACHLORODIBENZOFU U.S California - Proposition 65 - Carcinogens List Yes N-NONANE UNLABELED (State or local regulations U.S Idaho - Non-Carcinoge U.S New Jersey - Right to U.S New Jersey - Right to U.S New Jersey - Right to U.S New York - Reporting TOLUENE UNLABELED (10 State or local regulations U.S Delaware - Pollutant D U.S New Jersey - Right to U.S New York - Reporting U.S New York	JRAN UNLABELED (39001- U.S California - Proposition 65 - Developmental Toxicity No 111-84-2) enic Toxic Air Pollutants - Acc Know Hazardous Substance t To Know List Right to Know) List of Releases Part 597 - List of 08-88-3) Discharge Requirements - Re Know Hazardous Substance of Releases Part 597 - List of Right to Know) List t To Know List BENZO-P-DIOXIN UNLABEL	02-0) U.S California - Proposition 65 - Reproductive Toxicity - Female No Septable Ambient Concentratio List f Hazardous Substances portable Quantities List f Hazardous Substances ED (1746-01-6) List	U.S California - Proposition 65 - Reproductive Toxicity - Male No	
OCTACHLORODIBENZOFU U.S California - Proposition 65 - Carcinogens List Yes N-NONANE UNLABELED (State or local regulations U.S Idaho - Non-Carcinoge U.S New Jersey - Right to U.S Massachusetts - Right U.S Pennsylvania - RTK (F U.S New York - Reporting TOLUENE UNLABELED (10 State or local regulations U.S Delaware - Pollutant D U.S New Jersey - Right to U.S New York - Reporting U.S Delaware - Pollutant D U.S New Jersey - Right to U.S New York - Reporting U.S Pennsylvania - RTK (F U.S Massachusetts - Right U.S Pennsylvania - RTK (F U.S Pennsylvania - RTK (F U.S New Jersey - Right to	JRAN UNLABELED (39001- U.S California - Proposition 65 - Developmental Toxicity No 111-84-2) enic Toxic Air Pollutants - Acc Know Hazardous Substance t To Know List Right to Know) List of Releases Part 597 - List of 08-88-3) Discharge Requirements - Re Know Hazardous Substance of Releases Part 597 - List of Right to Know) List t To Know List BENZO-P-DIOXIN UNLABEL Right to Know) List Know Hazardous Substance	02-0) U.S California - Proposition 65 - Reproductive Toxicity - Female No Septable Ambient Concentratio List f Hazardous Substances portable Quantities List f Hazardous Substances ED (1746-01-6) List	U.S California - Proposition 65 - Reproductive Toxicity - Male No	

EN (English US)

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1,3,6,8-TETRACHLORODIBENZO-P-DIOXIN UNLABELED (33423-92-6)
U.S New Jersey - Right to Know Hazardous Substance List
1,3,7,9-TETRACHLORODIBENZO-P-DIOXIN UNLABELED (62470-53-5)
State or local regulations
U.S Pennsylvania - RTK (Right to Know) List
U.S New Jersey - Right to Know Hazardous Substance List
1,2,8,9-TETRACHLORODIBENZO-P-DIOXIN UNLABELED (62470-54-6)
State or local regulations
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN UNLABELED (40321-76-4)
State or local regulations
U.S Pennsylvania - Schedule I Controlled Substances U.S New Jersey - Right to Know Hazardous Substance List
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN UNLABELED (39227-28-6)
State or local regulations
U.S Pennsylvania - RTK (Right to Know) List
U.S New Jersey - Right to Know Hazardous Substance List
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN UNLABELED (19408-74-3)
State or local regulations
U.S Pennsylvania - RTK (Right to Know) List
U.S New Jersey - Right to Know Hazardous Substance List
2,3,7,8-TETRACHLORODIBENZOFURAN UNLABELED (51207-31-9)
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
1,3,6,8-TETRACHLORODIBENZOFURAN UNLABELED (71998-72-6)
State or local regulations
U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
1,2,7,8-TETRACHLORODIBENZOFURAN UNLABELED (58802-20-3)
State or local regulations
U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
1,2,8,9-TETRACHLORODIBENZOFURAN UNLABELED (70648-22-5)
State or local regulations
U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
2,3,4,7,8-PENTACHLORODIBENZOFURAN UNLABELED (57117-31-4)
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
1,2,3,7,8-PENTACHLORODIBENZOFURAN UNLABELED (57117-41-6)
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
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN UNLABELED (70648-26-9)
State or local regulations
U.S Massachusetts - Right To Know List

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20, 2012 / Rules and Regulations
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN UNLABELED (70648-26-9)
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN UNLABELED (57652-85-7)
State or local regulations
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN UNLABELED (35822-46-9) State or local regulations
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN UNLABELED (57117-44-9)
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
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN UNLABELED (72918-21-9)
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
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN UNLABELED (60851-34-5)
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
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN UNLABELED (67562-39-4)
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
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN UNLABELED (55673-89-7)
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
OCTACHLORODIBENZO-P-DIOXIN UNLABELED (3268-87-9)
State or local regulations
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List
OCTACHLORODIBENZOFURAN UNLABELED (39001-02-0)
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

SECTION 16: Other information	1	
Other information	: This product is not radioactive. The data given for this product are those of the corre- unlabeled compound, unless specifically indicated otherwise. Health and safety data labeled compounds are generally not available, but are assumed to be similar or ider corresponding unlabeled compound.	for
Full text of R-, H- and EUH-phrases:		
Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1]
18/02/2021	EN (English US)	22/24

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Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 2 (Oral)	Acute toxicity (oral) Category 2
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) 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
Carc. 1A	Carcinogenicity Category 1A
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Repr. 2	Reproductive toxicity Category 2
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
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H300	Fatal if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H310	Fatal in contact with skin
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H330	Fatal if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H413	May cause long lasting harmful effects to aquatic life
R10	Flammable
R11	Highly flammable
R20	Harmful by inhalation
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R22	Harmful if swallowed
R26/27/28	Very toxic by inhalation, in contact with skin and if swallowed
R28	Very toxic if swallowed
R36	Irritating to eyes
R36/37/38	Irritating to eyes, respiratory system and skin
R36/38	Irritating to eyes and skin
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R45	May cause cancer
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R51/53	
	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R53	May cause long-term adverse effects in the aquatic environment
R62	Possible risk of impaired fertility
R63	Possible risk of harm to the unborn child
R65	Harmful: may cause lung damage if swallowed
R67	Vapors may cause drowsiness and dizziness
F	Highly flammable
Ν	Dangerous for the environment
T+	Very toxic
Xi	Irritant

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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 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 Multi-Solvent 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