

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: 30/09/2021 Revision date: Version: 1.0 ES-5652

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Product name : Mixtures Product code : E3-5652 1.2. Relevant identified uses of the substance or mixture and uses advised against No additional information available 1.3. 1.3. Details of the subplier of the safety data sheet Cambridge lotope Laboratories, Inc. 50 Frontage Read Andown, MA 01810 USA USA USA USA 1.1.978-749-8000 cilasis @lisotope.com www.isotope.com Emergency numbers: Chemrae: 1-800-424-9300 USA 1.703-741-5970 USA 1.703-741-5970 21. Classification of the substance or mixture Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Acute Tox: 4 (Oral) H302 Stort Fig. 2 H373 Fuil text of hazard classes and H-statements : see sectio			
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	Xi; R36/3 Carc.Cat. T; R48/25 R67	7/38 3; R40 5	
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GHS-US classification

Acute Tox. 4 (Oral) H302 Acute Tox. 4 (Dermal) H312 Skin Irrit. 2 H315 Eye Irrit. 2A H319 Carc. 2 STOT SE 3 H351 H336

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

STOT SE 3	H335
STOT RE 2	H373

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Liver, Pancreas, Blood, Central nervous system, Heart, Kidney. Inhalation: anesthetic effects, nausea and drunkeness. Suspected of causing cancer (in contact with skin, if swallowed, if inhaled). May cause damage to organs (liver, blood, central nervous system) through prolonged or repeated exposure (if swallowed, if inhaled). May cause drowsiness or dizziness. Harmful in contact with skin. Harmful if swallowed. May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

2.2. Label elements	
Labeling according to Regulation (EC) N	o. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS08 GHS07
Signal word (CLP)	: Warning
Hazard statements (CLP)	 H302+H312 - Harmful if swallowed or in contact with skin H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation H336 - May cause drowsiness or dizziness H351 - Suspected of causing cancer (in contact with skin, if inhaled, if swallowed) H373 - May cause damage to organs (central nervous system, blood, liver) through prolonged or repeated exposure (oral, inhalation)
Precautionary statements (CLP)	 P260 - Do not breathe dust, fume, gas, mist, spray, vapors. P264 - Wash Both hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective clothing, protective gloves. P301+P312 - IF SWALLOWED: Call a doctor, a POISON CENTER if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
GHS-US labeling	
Hazard pictograms (GHS-US)	HS08 GHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	 H302+H312 - Harmful if swallowed or in contact with skin H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation H336 - May cause drowsiness or dizziness H351 - Suspected of causing cancer (Dermal, Inhalation, oral) H373 - May cause damage to organs (blood, central nervous system, liver, respiratory system) through prolonged or repeated exposure (Dermal, Inhalation, oral)
Precautionary statements (GHS-US)	 P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe dust, fume, gas, mist, spray, vapors. P261 - Avoid breathing dust, fume, gas, mist, spray, vapors. P264 - Wash Both hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear eye protection, face protection, protective clothing, protective gloves. P301+P312 - If swallowed: Call a doctor, a POISON CENTER if you feel unwell P302+P352 - If on skin: Wash with plenty of water 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
	EN (English US) 2/16

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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

P308+P313 - If exposed or concerned: Get medical advice/attention. P312 - Call a doctor, a POISON CENTER if you feel unwell
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see Hazard pictograms (CLP) on this label)
P330 - Rinse mouth.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to Comply with applicable regulations

2.3. Other hazards

PBT: not relevant – no registration required

SECTI	ON 3: Composition/Information on ingredients
3.1.	Substances

Not applicable

	applicable
3.2.	Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
METHYLENE CHLORIDE-D2 (D, 99.8%)	(CAS-No.) 1665-00-5 (EC-No.) 216-776-0 (Unlabeled) (EC Index-No.) 602-004-00-3 (Unlabeled) (REACH-no) 01-2119480404-41	99.9486	Xi; R36/37/38 Carc.Cat.3; R40 T; R48/25 R67 Xn; R21/22
N-NITROSODIMETHYLAMINE (D6, 98%)	(CAS-No.) 17829-05-9 (EC-No.) 200-549-8 (Unlabeled) (EC Index-No.) 612-001-00-9 (Unlabeled)	0.0073	F+; R12 Xn; R22 R52/53
N-NITROSOMETHYLETHYLAMINE (D3, 98%)	(CAS-No.) 69278-54-2 (EC Index-No.)	0.0073	Carc.Cat.3; R40 T; R25 Xi; R36/37/38
N-NITROSODIETHYLAMINE (D10, 98%)	(CAS-No.) 55-18-5 (Unlabeled) (EC-No.) 200-226-1 (Unlabeled)	0.0073	Carc.Cat.2; R45 Carc.Cat.1; R49 T; R25 R52/53
N-NITROSO-DI-N-PROPYLAMINE (D14, 98%)	(CAS-No.) 93951-96-3 (EC-No.) 210-698-0 (Unlabeled) (EC Index-No.) 612-098-00-8 (Unlabeled)	0.0073	Carc.Cat.1; R45 Carc.Cat.1; R49 Xn; R22 N; R51/53
N-NITROSO-DI-N-BUTYLAMINE (D18, 98%)	(CAS-No.) 1219798-82-9 (EC Index-No.)	0.0073	Carc.Cat.3;R40 Xn;R22
N-NITROSOPYRROLIDINE (D8,98%)	(CAS-No.) 930-55-2 (Unlabeled) (EC-No.) 213-218-8 (Unlabeled)	0.0073	Carc.Cat.3;R40 Xn;R22
N-NITROSOPIPERIDINE (D10, 98%)	(CAS-No.) 960049-21-2 (EC Index-No.)	0.0073	Carc.Cat.3; R40 T; R25
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
METHYLENE CHLORIDE-D2 (D, 99.8%)	(CAS-No.) 1665-00-5 (EC-No.) 216-776-0 (Unlabeled) (EC Index-No.) 602-004-00-3 (Unlabeled) (REACH-no) 01-2119480404-41	99.9486	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336 STOT SE 3, H335 STOT RE 2, H373
N-NITROSODIMETHYLAMINE (D6, 98%)	(CAS-No.) 17829-05-9 (EC-No.) 200-549-8 (Unlabeled) (EC Index-No.) 612-001-00-9 (Unlabeled)	0.0073	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Inhalation), H330 Carc. 1B, H350 STOT RE 1, H372 Aquatic Chronic 2, H411

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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
N-NITROSOMETHYLETHYLAMINE (D3, 98%)	(CAS-No.) 69278-54-2 (EC Index-No.)	0.0073	Acute Tox. 3 (Oral), H301 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335
N-NITROSODIETHYLAMINE (D10,98%)	(CAS-No.) 55-18-5 (Unlabeled) (EC-No.) 200-226-1 (Unlabeled)	0.0073	Acute Tox. 3 (Oral), H301 Carc. 1A, H350i Aquatic Chronic 3, H412
N-NITROSO-DI-N-PROPYLAMINE (D14, 98%)	(CAS-No.) 93951-96-3 (EC-No.) 210-698-0 (Unlabeled) (EC Index-No.) 612-098-00-8 (Unlabeled)	0.0073	Acute Tox. 4 (Oral), H302 Carc. 1B, H350 Aquatic Chronic 2, H411
N-NITROSO-DI-N-BUTYLAMINE (D18, 98%)	(CAS-No.) 1219798-82-9 (EC Index-No.)	0.0073	Acute Tox. 4 (Oral), H302 Carc. 2, H351
N-NITROSOPYRROLIDINE (D8, 98%)	(CAS-No.) 930-55-2 (Unlabeled) (EC-No.) 213-218-8 (Unlabeled)	0.0073	Acute Tox. 4 (Oral), H302 Carc. 2, H351
N-NITROSOPIPERIDINE (D10, 98%)	(CAS-No.) 960049-21-2 (EC Index-No.)	0.0073	Acute Tox. 3 (Oral), H301 Carc. 2, H351
Name	Product identifier	%	GHS-US classification
METHYLENE CHLORIDE-D2 (D, 99.8%)	(CAS-No.) 1665-00-5	99.9486	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H336 STOT SE 3, H335 STOT RE 2, H373
N-NITROSODIMETHYLAMINE (D6, 98%)	(CAS-No.) 17829-05-9	0.0073	Flam. Liq. 4, H227 Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Inhalation), H330 Carc. 1B, H350 STOT RE 1, H372 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
N-NITROSOMETHYLETHYLAMINE (D3, 98%)	(CAS-No.) 69278-54-2	0.0073	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335
N-NITROSODIETHYLAMINE (D10,98%)	(CAS-No.) 55-18-5 (Unlabeled)	0.0073	Acute Tox. 3 (Oral), H301 Carc. 1B, H350 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
N-NITROSO-DI-N-PROPYLAMINE (D14, 98%)	(CAS-No.) 93951-96-3	0.0073	Acute Tox. 4 (Oral), H302 Carc. 1B, H350 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
N-NITROSO-DI-N-BUTYLAMINE (D18, 98%)	(CAS-No.) 1219798-82-9	0.0073	Acute Tox. 4 (Oral), H302 Carc. 2, H351
N-NITROSOPYRROLIDINE (D8, 98%)	(CAS-No.) 930-55-2 (Unlabeled)	0.0073	Acute Tox. 4 (Oral), H302 Carc. 2, H351
N-NITROSOPIPERIDINE (D10, 98%)	(CAS-No.) 960049-21-2	0.0073	Acute Tox. 3 (Oral), H301 Carc. 2, H351

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	: IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor/physician if you feel unwell.		
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.		
First-aid measures after skin contact	: Wash skin with plenty of water. Take off 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	: Rinse mouth. Call a poison center/doctor/physician if you feel unwell.		

Safety Data Sheet

4.2. Most important symptoms and effects, Symptoms/effects :		both acute and delayed May cause drowsiness or dizziness. Suspected of causing cancer (in contact with skin, if inhaled, if swallowed). May cause damage to organs (blood, central nervous system, liver, respiratory system) through prolonged or repeated exposure (in contact with skin, if inhaled, if swallowed).		
Sympto	ms/effects after inhalation	May be harmful if inhaled. May cause respiratory irritation.		
Sympto	ms/effects after skin contact	Harmful in contact with skin. Causes skin irritation.		
Sympto	ms/effects after eye contact	Causes serious eye irritation.		
Sympto	ms/effects after ingestion	Harmful if swallowed.		
4.3.	Indication of any immediate medical a	ttention and special treatment needed		
Treat sy	mptomatically.			
SECT	ON 5: Firefighting measures			
5.1.	Extinguishing media			
Suitable	extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.		
5.2.	Special hazards arising from the subs	tance or mixture		
Reactivi		The product is non-reactive under normal conditions of use, storage and transport.		
5.3.	Advice for firefighters	· · · · · · · · · · · · · · · · · · ·		
	· ·	Do not enter fire area without proper protective equipment, including respiratory protection.		
-	on during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing		
1 101001		apparatus. Complete protective clothing. Wear recommended personal protective equipment.		
SECT	ON 6: Accidental release measu	ires		
6.1.	Personal precautions, protective equi			
6.1.1.	For non-emergency personnel			
	ncy procedures	Use personal protective equipment as required. Ventilate spillage area. Do not breathe dust,		
Lineige		fume, gas, mist, spray, vapors. Avoid contact with skin, eyes and clothing.		
6.1.2.	For emergency responders			
Protecti	ve 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			
Avoid re	lease to the environment. Prevent further I	eakage or spillage if safe to do so. Do not let product enter drains.		
6.3.	Methods and material for containment	and cleaning up		
For con	tainment	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.		
Methods	s for cleaning up	Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.		
Other in	formation	Dispose of materials or solid residues at an authorized site.		
6.4.	Reference to other sections			
For furth	ner information refer to section 13.			
SECT	ON 7: Handling and storage			
7.1.	Precautions for safe handling			
	ons for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been		
		read and understood. Wear personal protective equipment. Do not breathe dust, fume, spray, gas, mist, vapors. Use only outdoors or in a well-ventilated area. Do not get in eyes, on skin, or on clothing.		
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		
Technica	al measures	Store locked up. Store in a well-ventilated place. Keep container tightly closed. Containers which are opened should be properly resealed and kept upright to prevent leakage.		
Storage	conditions	Store at room temperature away from light and moisture.		
7.3.	Specific end use(s)			
No addi	tional information available			

Safety Data Sheet

SECTION 8: Exposure of	ontrols/personal protection	
8.1. Control parameters		
	SURROGATE MIXTURE (D, 98%) 100 UG/ML IN MET	HYLENE CHLORIDE-D2
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	50.0000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Central Nervous system impairment. Carboxyhemoglobinemia. Substances for which there is a Biological Exposure Index or Indices (see BEI section). Confirmed animal carcinogen with unknown relevance to humans. Potential Occupational Carcinogen See Appendix A.
USA OSHA	OSHA PEL (STEL) (mg/m ³)	435 mg/m ³ Basis: California permissible exposure limits for chemical contaminants (Title 8, Article 107) see section 5202
USA OSHA	OSHA PEL (STEL) (ppm)	125 ppm Basis: OSHA Specifially Regulated Chemicals/Carcinogens California permissible exposure limits for chemical contaminants (Title 8, Article 107) see section 5202
USA OSHA	OSHA PEL (Ceiling) (mg/m ³)	87 mg/m ³ Basis: California permissible exposure limits for chemical contaminants (Title 8, Article 107) see section 5202
USA OSHA	OSHA PEL (Ceiling) (ppm)	25 ppm Basis: OSHA Specifically Regulated Chemicals/Carcinogens California permissible exposure limits for chemical contaminants (Title 8, Article 107) see section 5202
USA OSHA	Remark (OSHA)	Substance listed; for mor information see OSHA document 1910.1052. See Table Z-2. This section applies to all occupational exposures to methylene chloride (MC). Chemical Abstracts Service Registry Number 75-09-2, in general industry, construction and shipyard employment. Methylene chloride (MC) means an organic compound with chemical formula CH2Cl2. Its Chemical Abstracts Service Registry Number is 75- 09-2. Its molecular weight is 8.9 g/mole. OSHA Specifically regulated carcinogen.
METHYLENE CHLORIDE-D2	(D, 99.8%) (1665-00-5)	
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	50.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Central Nervous system impairment. Carboxyhemoglobinemia. Substances for which there is a Biological Exposure Index or Indices (see BEI section). Confirmed animal carcinogen with unknown relevance to humans. Potential Occupational Carcinogen See Appendix A.
USA OSHA	OSHA PEL (STEL) (mg/m ³)	435 mg/m ³ Basis: California permissible exposure limits for chemical contaminants (Title 8, Article 107) see section 5202
USA OSHA	OSHA PEL (STEL) (ppm)	125 ppm Basis: OSHA Specifially Regulated Chemicals/Carcinogens California permissible exposure limits for chemical contaminants (Title 8, Article 107) see section 5202
USA OSHA	OSHA PEL (Ceiling) (mg/m ³)	87 mg/m ³ Basis: California permissible exposure limits for chemical contaminants (Title 8, Article 107) see section 5202
USA OSHA	OSHA PEL (Ceiling) (ppm)	25 ppm Basis: OSHA Specifically Regulated Chemicals/Carcinogens California permissible exposure limits for chemical contaminants (Title 8, Article 107) see section 5202

Safety Data Sheet

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

METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-00-5)				
USA OSHA	Remark (OSHA)			
METHOD 521 NITROSAMINE	SURROGATE M	IXTURE (D, 98%) 100 UG/ML IN METHYLENE CHLORIDE-D2		
DNEL/DMEL (Workers)				
Acute - systemic effects, inhal	ation	706 mg/m ³		
Acute - local effects, inhalation	n	353 mg/m³		
Long-term - systemic effects,	dermal	4750 mg/kg bodyweight/day		
DNEL/DMEL (General popula	tion)			
Acute - systemic effects, inhal	ation	353 mg/m ³		
Acute - local effects, inhalation	n	88.3 mg/m ³		
Long-term - systemic effects,	oral	0.06 mg/kg bodyweight/day		
Long-term - systemic effects, dermal		2395 mg/kg bodyweight/day		
PNEC (Water)				
PNEC aqua (freshwater)		0.54 mg/l		
PNEC aqua (marine water)		0.194 mg/l		
PNEC aqua (intermittent, fresl	hwater)	0.27 mg/l		
PNEC (Sediment)				
PNEC sediment (freshwater)		4.47 mg/kg dwt		
PNEC sediment (marine water	r)	1.61 mg/kg dwt		
PNEC (Soil)				
PNEC soil		0.583 mg/kg dwt		
PNEC (STP)				
PNEC sewage treatment plant 26		26 mg/l		
8.2. Exposure controls				
ppropriate engineering controls : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Ensure good ventilation of the work station.				
Personal protective equipment		: Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.		
· · ·				

Materials for protective clothing	:	Wear suitable protective clothing and gloves.
Hand protection	:	Wear suitable protective clothing and gloves.
Eye protection	:	Wear eye protection. Chemical goggles or face shield with safety glasses. Safety glasses.
Skin and body protection	:	Wear suitable protective clothing, gloves and eye/face protection.
Respiratory protection	:	In case of inadequate ventilation wear respiratory protection. Approved supplied air respirator.
Environmental exposure controls	:	Avoid release to the environment.

SECTION 9: Physical and chemical properties

05/10/2021	EN (English LIC)	7/40
Relative evaporation rate (butyl acetate=1)	: No data available	
рН	: No data available	
Odor threshold	: No data available	
Odor	: Sweet, penetrating, ether-like odor	
Color	: Colorless	
Molecular mass	: 84.93 g/mol	
Appearance	: Liquid	
Physical state	: Liquid	
The properties listed below are for the solvent, the main component of this mixture.		
9.1. Information on basic physical ar	nd chemical properties	

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

Relative evaporation rate (ether=1)	: 0.71
Melting point	: -97 °C (-143 °F)
Freezing point	: No data available
Boiling point	: 39.8 - 40 °C (103.6 - 104 °F)
Flash point	: No data available
Auto-ignition temperature	: 556.1 °C (1,033.0 °F); 622.0 °C (1,223.6 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: 470.9 hPa (353.2 mmHg) at 20 °C (68 °F)
Relative vapor density at 20 °C	: 2.93 - (Air = 1.0)
Relative density	: No data available
Specific gravity / density	: 1.325 g/ml at 25 °C (77 °F)
Solubility	: Water: Slightly soluble
Log Pow	: 1.25
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	: 12 - 19 % (V)

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity			
10.1. Reactivity			
The product is non-reactive under normal condition	The product is non-reactive under normal conditions of use, storage and transport.		
10.2. Chemical stability			
See storage and expiration date on CoA.			
10.3. Possibility of hazardous reactions			
No dangerous reactions known under normal cond	litions of use.		
10.4. Conditions to avoid			
Heat. Sparks. Open flame. Direct sunlight. Protect	from sunlight.		
10.5. Incompatible materials			
Alkali metals. Aluminum. Strong oxidizing agents. I	Bases. Magnesium. Strong acids. Strong bases. Vinyl.		
10.6. Hazardous decomposition products			
Carbon oxides (CO, CO2). Hydrogen chloride.			
SECTION 11: Toxicological informatic	on		
11.1. Information on toxicological effects			
Acute toxicity			
METHOD 521 NITROSAMINE SURROGATE MI	XTURE (D, 98%) 100 UG/ML IN METHYLENE CHLORIDE-D2		
LD50 oral rat	> 2000 mg/kg		
LD50 dermal rat	> 2000 mg/kg (OECD Test Guideline 402)		
LC50 inhalation rat (mg/l)	52000 mg/m ³		
ATE CLP (oral)	500.000 mg/kg body weight		
ATE CLP (dermal)	1100.000 mg/kg body weight		
ATE CLP (vapors)	52.000 mg/l/4h		
ATE CLP (dust, mist)	52.000 mg/l/4h		
METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-0	00-5)		
LD50 oral rat	> 2000 mg/kg		
LD50 dermal rat	> 2000 mg/kg (OECD Test Guideline 402)		
LC50 inhalation rat (mg/l)	52000 mg/m ³		
Ecoo Innalation fat (ing/i)			

ATE CLP (dermal)

1100.000 mg/kg body weight

Safety Data Sheet

METHYLENE CHLORIDE-D2 (D, 99.8%) (1665	-00-5)		
ATE CLP (vapors)	52.000 mg/l/4h		
ATE CLP (dust, mist)	52.000 mg/l/4h		
N-NITROSODIMETHYLAMINE (D6, 98%) (1782	N-NITROSODIMETHYLAMINE (D6, 98%) (17829-05-9)		
LD50 oral rat	37 mg/kg		
LC50 inhalation rat (ppm)	78 ppm - 4 h		
ATE CLP (oral)	37.000 mg/kg body weight		
ATE CLP (gases)	10.000 ppmV/4h		
ATE CLP (vapors)	0.050 mg/l/4h		
ATE CLP (dust, mist)	0.005 mg/l/4h		
N-NITROSOMETHYLETHYLAMINE (D3, 98%)	(69278-54-2)		
LD50 oral rat	90 mg/kg		
ATE CLP (oral)	100.000 mg/kg body weight		
N-NITROSODIETHYLAMINE (D10, 98%) (55-1	R-5 (Unlabeled))		
LD50 oral rat	220 mg/kg Remarks: Diarrhea, Fatty liver degeneration, weight loss or decreased weight gain.		
ATE CLP (oral)	220.000 mg/kg body weight		
N-NITROSO-DI-N-PROPYLAMINE (D14, 98%)			
LD50 oral rat	480 mg/kg		
ATE CLP (oral)	480.000 mg/kg body weight		
N-NITROSO-DI-N-BUTYLAMINE (D18, 98%) (1			
LD50 oral rat	1200 mg/kg		
ATE CLP (oral)	500.000 mg/kg body weight		
N-NITROSOPYRROLIDINE (D8, 98%) (930-55-			
LD50 oral rat	900 mg/kg		
ATE CLP (oral)	900.000 mg/kg body weight		
N-NITROSOPIPERIDINE (D10, 98%) (960049-2	1-2)		
LD50 oral rat	200 mg/kg		
ATE CLP (oral)	100.000 mg/kg body weight		
Skin corrosion/irritation	: Skin – Rabbit - Irritating to skin Result: 24 Hours		
Serious eye damage/irritation	: Eyes – Rabbit - Result: Irritating to eyes. 24 Hours. (Draize Test)		
Respiratory or skin sensitization	: Not classified		
Germ cell mutagenicity	: Rat. DNA Damage		
Carcinogenicity	: Carcinogenicity – Rat - Inhalation. Tumorigenic: Carcinogenic by RTECS criteria. endocrine system. Tumors. Limited evidence of a carcinogenic effect. Suspected human carcinogens		
Reproductive toxicity	: Not classified		
Specific target organ toxicity – single exposure	: May cause respiratory irritation. May cause drowsiness or dizziness		
Specific target organ toxicity – repeated exposure	: Inhalation. May cause damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation). Oral		
Aspiration hazard	: Not classified		
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. stomach. 		
Symptoms/effects after inhalation	: May be harmful if inhaled. May cause respiratory irritation.		
Symptoms/effects after skin contact	: Harmful in contact with skin. Causes skin irritation.		
Symptoms/effects after eye contact	: Causes serious eye irritation.		
Symptoms/effects after ingestion	: Harmful if swallowed.		
Cymptomoreneous anei ingestion			

SECTION 12: Ecological information	
Toxicity	
general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
METHOD 521 NITROSAMINE SURROGATE MIXTURE (D, 98%) 100 UG/ML IN METHYLENE CHLORIDE-D2	
sh 1	193 mg/l Pimephales promelas (fathead minnow) - 96 h
aphnia 1	1682 mg/l Daphnia magna (Water flea) - 48 h

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

METHOD 521 NITROSAMINE SURPOGATE MI	XTURE (D. 98%) 100 UG/ML IN METHYLENE CHLORIDE-D2	
NOEC (chronic)	130 mg/l Cyprinodon variegatus (sheepshead minnow) - 96 h	
METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-00-5)		
LC50 fish 1	193 mg/l Pimephales promelas (fathead minnow) - 96 h	
EC50 Daphnia 1	1682 mg/I Daphnia magna (Water flea) - 48 h	
NOEC (chronic)	130 mg/l Cyprinodon variegatus (sheepshead minnow) - 96 h	
N-NITROSODIMETHYLAMINE (D6, 98%) (17829-05-9)		
LC50 fish 1	832 - 1062 mg/l Pimephales promelas (fathead minnow) - 96 h	
EC50 Daphnia 1	4 mg/l Pseudokirchneriella subcapitata (green algae) - 96 h	
ErC50 (algae)	6.2 mg/l - 96 h, Pseudokirchneriella subcapitata -	
N-NITROSODIETHYLAMINE (D10, 98%) (55-18-5 (Unlabeled))		
LC50 fish 1	775 mg/l Pimephales promelas (fathead minnow) - 96 h	
ErC50 (algae)	10.2 mg/l Pseudokirchneriella subcapitata (green algae) - 96 h	

12.2.	Persistence	and degradability	

METHOD 521 NITROSAMINE SURROGATE MIXTURE (D, 98%) 100 UG/ML IN METHYLENE CHLORIDE-D2	
Biodegradation	< 26 % - Not readily biodegradable. (OECD Test Guideline 301C)
METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-00-5)	
Biodegradation	< 26 % - Not readily biodegradable. (OECD Test Guideline 301C)
12.3. Bioaccumulative potential	

12.3. Bioaccumulative potential		
METHOD 521 NITROSAMINE SURROGATE MIXTURE (D, 98%) 100 UG/ML IN METHYLENE CHLORIDE-D2		
Log Pow	1.25	
Bioaccumulative potential	Does not accumulate in organisms.	
METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-	00-5)	
Log Pow	1.25	
Bioaccumulative potential	Does not accumulate in organisms.	
N-NITROSOMETHYLETHYLAMINE (D3, 98%)	(69278-54-2)	
Log Pow	0.04	
N-NITROSODIETHYLAMINE (D10, 98%) (55-18-5 (Unlabeled))		
Log Pow	0.48	
N-NITROSO-DI-N-PROPYLAMINE (D14, 98%) (93951-96-3)		
Log Pow	1.36	
N-NITROSO-DI-N-BUTYLAMINE (D18, 98%) (1219798-82-9)		
Log Pow	2.63	
N-NITROSOPIPERIDINE (D10, 98%) (960049-21-2)		
Log Pow	0.36	
12.4. Mobility in soil		

12.5. Results of PBT and vPvB assessment

METHOD 521 NITROSAMINE SURROGATE MIXTURE (D, 98%) 100 UG/ML IN METHYLENE CHLORIDE-D2

PBT: not relevant - no registration required

METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-00-5)

PBT: not relevant – no registration required

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Regional legislation (waste)	: Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.	
Product/Packaging disposal recommendations	: 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.	

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

26,20127 Rules and Regulations	
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / A	DN
14.1. UN number	
UN-No.(DOT)	: 1593
DOT NA no.	UN1593
14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Dichloromethane
Class (DOT)	: 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132
Hazard labels (DOT)	: 6.1 - Poison
	POISON 6
Packing group (DOT)	: III - Minor Danger
DOT Special Provisions (49 CFR 172.102)	 IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only 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). IP8 - Ammonia solutions may be transported in rigid or composite plastic IBCs (31H1, 31H2 and 31HZ1) that have successfully passed, without leakage or permanent deformation, the hydrostatic test specified in 178.814 of this subchapter at a test pressure that is not less than 1.5 times the vapor pressure of the contents at 55 C (131 F). N36 - Aluminum or aluminum alloy construction materials are permitted only for halogenated hydrocarbons that will not react with aluminum. T7 - 4 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 153
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT RQ	: 1000 lbs
Marine pollutant	: No
14.3. Additional information	
Other information	: No supplementary information available.
Overland transport	

Packing group (ADR)	: III
Class (ADR)	: 6.1 - Toxic substances
Hazard identification number (Kemler No.)	: 60
Classification code (ADR)	: T1
Hazard labels (ADR)	: 6.1 - Toxic substances

Orange plates

60

1593

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

Tunnel restriction code (ADR)	: E
Limited quantities (ADR)	51
EAC	: 2Z
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	: 160
Air transport	
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
Civil Aeronautics Law	: Toxic and infectious substances/Toxic substances
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	
METHOD 521 NITROSAMINE SURROGATE MI	XTURE (D, 98%) 100 UG/ML IN METHYLENE CHLORIDE-D2
Subject to reporting requirements of United State	s SARA Section 313
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	Immediate (acute) health hazard Delayed (chronic) health hazard
METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-0)0-5)
Subject to reporting requirements of United State	s SARA Section 313
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	Immediate (acute) health hazard Delayed (chronic) health hazard
N-NITROSODIMETHYLAMINE (D6, 98%) (17829	9-05-9)
SARA Section 302 Threshold Planning Quantity (TPQ)	Listed on the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Fire hazard Sudden release of pressure hazard Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
N-NITROSOMETHYLETHYLAMINE (D3, 98%) (69278-54-2)
Listed on the United States TSCA (Toxic Substar	nces 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.
N-NITROSODIETHYLAMINE (D10, 98%) (55-18-	-5 (Unlabeled))
Subject to reporting requirements of United State	s SARA Section 313
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
N-NITROSO-DI-N-PROPYLAMINE (D14, 98%) (93951-96-3)
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	Immediate (acute) health hazard Delayed (chronic) health hazard
05/10/2021	EN (English US) 12/16

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

N-NITROSO-DI-N-PROPYLAMINE (D14, 98%) (93951-96-3)		
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313	
N-NITROSO-DI-N-BUTYLAMINE (D18, 98%) (1219798-82-9)		
Listed on the United States TSCA (Toxic Substa	nces Control Act) inventory	
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-NITROSOPYRROLIDINE (D8, 98%) (930-55-	2 (Unlabeled))	
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	Immediate (acute) health hazard Delayed (chronic) health hazard	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313	
N-NITROSOPIPERIDINE (D10, 98%) (960049-2	1-2)	
Listed on the United States TSCA (Toxic Substa	inces Control Act) inventory	
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 Delayed (chronic) health hazard Immediate (acute) health hazard	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	
15.2. International regulations		

CANADA

METHOD 521 NITROSAMINE SURROGATE MIXTURE (D, 98%) 100 UG/ML IN METHYLENE CHLORIDE-D2
Listed on the Canadian DSL (Domestic Substances List)
METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-00-5)
Listed on the Canadian DSL (Domestic Substances List)
N-NITROSOMETHYLETHYLAMINE (D3, 98%) (69278-54-2)
Listed on the Canadian DSL (Domestic Substances List)
N-NITROSODIETHYLAMINE (D10, 98%) (55-18-5 (Unlabeled))
Listed on the Canadian DSL (Domestic Substances List)
N-NITROSO-DI-N-BUTYLAMINE (D18, 98%) (1219798-82-9)
Not listed on the Canadian DSL (Domestic Substances List)
N-NITROSOPIPERIDINE (D10, 98%) (960049-21-2)
Listed on the Canadian DSL (Domestic Substances List)

15.2.1. National regulations

N-NITROSOMETHYLETHYLAMINE (D3, 98%) (69278-54-2)
N-NITROSODIETHYLAMINE (D10, 98%) (55-18-5 (Unlabeled))
N-NITROSO-DI-N-BUTYLAMINE (D18, 98%) (1219798-82-9)
N-NITROSOPIPERIDINE (D10, 98%) (960049-21-2)

15.3. US State regulations

METHOD 521 NITROSAMINE SURROGATE MIXTURE	: (D, 98%) 100 UG/ML IN METHYLENE CHLORIDE-D2 ()
U.S California - Proposition 65 - Carcinogens List	Yes
U.S California - Proposition 65 - Developmental Toxicity	No
U.S California - Proposition 65 - Reproductive Toxicity - Female	No
U.S California - Proposition 65 - Reproductive Toxicity - Male	No
State or local regulations	U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List

Safety Data Sheet

	2 (D, 99.8%) (1665-00-5)			
J.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	
Yes	No	No	No	
N-NITROSODIMETHYLAMIN	IE (D6, 98%) (17829-05-9)			
J.S California -	U.S California -	U.S California -	U.S California -	No significant risk leve
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	
Yes	No	No	No	
N-NITROSOMETHYLETHYL	AMINE (D3, 98%) (69278-54	1-2)		
J.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	
No	No	No	No	
N-NITROSODIETHYLAMINE				
J.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	
Yes	No	No	No	
N-NITROSO-DI-N-PROPYLA		-		
J.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	
Yes	No	No	No	
N-NITROSO-DI-N-BUTYLAM				
J.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 - Reproductive Toxicity -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Male	
No	No	No	No	
	(D8, 98%) (930-55-2 (Unlab			
		U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	
Yes	No	No	No	
N-NITROSOPIPERIDINE (D1				
J.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity -	Proposition 65 - Reproductive Toxicity -	(NSRL)
Carcinogens List	Developmental Toxicity	Female	Male	
Yes	No	No	No	
METHYLENE CHLORIDE-D2	2 (D, 99.8%) (1665-00-5)			
State or local regulations				
J.S Massachusetts - Right	Right to Know) List	List		
J.S Pennsylvania - RTK (R J.S New Jersey - Right to l	Know Hazardous Substance			
J.S New Jersey - Right to I				

Safety Data Sheet

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

N-NITROSODIMETHYLAMINE (D6, 98%) (17829-05-9)
U.S New Jersey - Right to Know Hazardous Substance List
N-NITROSOMETHYLETHYLAMINE (D3, 98%) (69278-54-2)
State or local regulations
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List
N-NITROSODIETHYLAMINE (D10, 98%) (55-18-5 (Unlabeled))
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
N-NITROSO-DI-N-PROPYLAMINE (D14, 98%) (93951-96-3)
State or local regulations
U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
N-NITROSO-DI-N-BUTYLAMINE (D18, 98%) (1219798-82-9)
State or local regulations
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List
N-NITROSOPYRROLIDINE (D8, 98%) (930-55-2 (Unlabeled))
State or local regulations
U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
N-NITROSOPIPERIDINE (D10, 98%) (960049-21-2)
State or local regulations
U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List U.S Massachusetts - Right To Know List

SECTION 16: Other information

Other information

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

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

Aguta Tax 1 (Inhalation)	A suite to visite (inholation) Category 4
Acute Tox. 1 (Inhalation)	Acute toxicity (inhalation) Category 1
Acute Tox. 2 (Oral)	Acute toxicity (oral) Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Carc. 1A	Carcinogenicity (inhalation) Category 1A
Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
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
H300	Fatal if swallowed
H301	Toxic if swallowed
H302	Harmful if swallowed
H312	Harmful in contact with skin

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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H315	Causes skin irritation
H319	Causes serious eye irritation
H330	Fatal if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H350	May cause cancer
H350i	May cause cancer by inhalation.
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R12	Extremely flammable
R21/22	Harmful in contact with skin and if swallowed
R22	Harmful if swallowed
R25	Toxic if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
R40	Limited evidence of a carcinogenic effect
R45	May cause cancer
R48/25	Toxic: danger of serious damage to health by prolonged exposure if swallowed
R49	May cause cancer by inhalation
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R67	Vapors may cause drowsiness and dizziness
F+	Extremely flammable
Ν	Dangerous for the environment
Т	Toxic
Xi	Irritant
Xn	Harmful

	2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFPA fire hazard	 O - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
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	: 0 Minimal Hazard
Physical	: 0 Minimal Hazard

CIL Mixture SDS

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