

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/20/2019 Revision date: 12/20/2019 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Product name	: Nitrosamine Isotopes Mix
Product code	: AL0-130967
1.2. Recommended use and restriction	is on use
No additional information available	
1.3. Supplier	
Phenova 6390 Joyce Dr. Suite 100 Golden, CO 80403 - United States T 1-866-942-2978 - F 1-866-283-0269 <u>info@phenova.com</u> - <u>www.phenova.com</u>	
1.4. Emergency telephone number	
Emergency number	: ChemTel Assistance (US/Canada) 1-800-255-3924 ChemTel Assistance (International) +1 813-248-0585
SECTION 2: Hazard(s) identification	n
2.1. Classification of the substance or	
GHS US classification	
Flammable liquids H226	Flammable liquid and vapour
Category 3 Carcinogenicity Category H350 1B	May cause cancer
Full text of H statements : see section 16	
2.2. GHS Label elements, including pre	acautionary statements
GHS US labeling	
GHS US labeling	: : Danger
GHS US labeling Hazard pictograms (GHS US)	
GHS US labeling Hazard pictograms (GHS US) Signal word (GHS US)	: Danger : H226 - Flammable liquid and vapour
GHS US labeling Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US)	 : Image is a state of the end of th
GHS US labeling Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US) Precautionary statements (GHS US) Precautionary statements (GHS US) No additional information available	 : Image is a state of the end of th
GHS US labeling Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US) Precautionary statements (GHS US) Precautionary statements (GHS US) 2.3. Other hazards which do not result No additional information available 2.4. Unknown acute toxicity (GHS US)	 : Image is a state of the end of th
GHS US labeling Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US) Precautionary statements (GHS US) Precautionary statements (GHS US) No additional information available	 : Image is a state of the end of th
GHS US labeling Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US) Precautionary statements (GHS US) Precautionary statements (GHS US) 2.3. Other hazards which do not result No additional information available 2.4. Unknown acute toxicity (GHS US)	 For the second second

Not applicable

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Name	Product identifier	Conc.
Methylene Chloride (Component)	(CAS-No.) 75-09-2	99.1
N-nitrosodibutylamine (Component)	(CAS-No.) 924-16-3	0.1
N-Nitrosodiethylamine (Component)	(CAS-No.) 55-18-5	0.1
N-Nitrosodimethylamine (Component)	(CAS-No.) 62-75-9	0.1
N-Nirosodi-n-propylamine (Component)	(CAS-No.) 621-64-7	0.1
N-Nitroso-N-methylethylamine (Component)	(CAS-No.) 10595-95-6	0.1
N-Nitrosomorpholine (Component)	(CAS-No.) 59-89-2	0.1
N-Nitrosopiperdine (Component)	(CAS-No.) 100-75-4	0.1
N-Nitrosopyrrolidine (Component)	(CAS-No.) 930-55-2	0.1

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effec	ts (acute and delayed)
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
4.3. Immediate medical attention and spe	ecial treatment, if necessary
No additional information available	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguish	ing media
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Specific hazards arising from the ch	emical
No additional information available	
5.3. Special protective equipment and pr	ecautions for fire-fighters
Firefighting instructions	 Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release meas	
6.1. Personal precautions, protective equ	upment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Notify	authorities if liquid enters sewers or public waters.
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5.3. Methods and material for contain	ment and cleaning up
lethods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
.4. Reference to other sections	
See Heading 8. Exposure controls and person	nal protection.
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
7.2. Conditions for safe storage, inclu	ding any incompatibilities
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
ncompatible products	: Strong bases. Strong acids.
	: Sources of ignition. Direct sunlight.

8.1. Control parameters			
	Nitrosamine Isotopes Mix		
ACGIH		Dichloromethane	
ACGIH	ACGIH TWA (ppm)	50 ppm	
ACGIH	Remark (ACGIH)	COHb-emia; CNS impair	
ACGIH	Regulatory reference	ACGIH 2018	
OSHA	Remark (OSHA)	(2) See Table Z-2.	
OSHA Regulatory reference (US-OSHA) OSHA			
N-nitrosodibutylamine (924-7	16-3)		
Not applicable			
N-Nitrosodiethylamine (55-18	8-5)		
Not applicable			
N-Nitrosodimethylamine (62-	-75-9)		
Not applicable			
N-Nirosodi-n-propylamine (6	21-64-7)		
Not applicable			
N-Nitroso-N-methylethylamin	ne (10595-95-6)		
Not applicable			
N-Nitrosomorpholine (59-89-	2)		
Not applicable			
N-Nitrosopiperdine (100-75-4	4)		
Not applicable			
N-Nitrosopyrrolidine (930-55-2)			
Not applicable	Not applicable		
Methylene Chloride (75-09-2)			
ACGIH	Local name	Dichloromethane	
ACGIH	ACGIH TWA (ppm)	50 ppm	
ACGIH	Remark (ACGIH)	COHb-emia; CNS impair	
ACGIH	Regulatory reference	ACGIH 2018	
OSHA	Remark (OSHA)	(2) See Table Z-2.	
OSHA Regulatory reference (US-OSHA) OSHA		OSHA	

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8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Wear appropriate mask

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

SECTION 3. Physical and chemical properties		
9.1. Information on basic physical and	chemical properties	
Physical state	: Liquid	
	: Colorless	
	: characteristic	
Odor threshold	: No data available	
рН	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flammability (solid, gas)	: Non flammable.	
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	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosion limits	: No data available	
Explosive properties	: No data available	
Oxidizing properties	: No data available	

9.2. Other information

No additional information available

SECTION 10: Stability	/ and reactivity	
10.1. Reactivity		
No additional information ava	ailable	
10.2. Chemical stability Not established.	y	
10.3. Possibility of haz	ardous reactions	
Not established.		
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10.4. Conditions to avoid	
Direct sunlight. Extremely high or low temperatu	res.
10.5. Incompatible materials	
Strong acids. Strong bases.	
10.6. Hazardous decomposition products	
fume. Carbon monoxide. Carbon dioxide.	
SECTION 11: Toxicological informat	ion
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
N-nitrosodibutylamine (924-16-3)	
LD50 oral rat	1200 mg/kg (Rat)
ATE US (oral)	1200 mg/kg body weight
N-Nitrosodiethylamine (55-18-5)	
LD50 oral rat	220 mg/kg (Rat, Oral)
ATE US (oral)	220 mg/kg body weight
N-Nitrosodimethylamine (62-75-9)	
LD50 oral rat	37 mg/kg (Rat)
LC50 inhalation rat (mg/l)	0.24 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	78 ppm/4h (Rat)
ATE US (oral)	37 mg/kg body weight
ATE US (gases)	78 ppmV/4h
ATE US (vapors)	0.24 mg/l/4h
ATE US (dust, mist)	0.24 mg/l/4h
N-Nirosodi-n-propylamine (621-64-7)	
LD50 oral rat	480 mg/kg (Rat)
ATE US (oral)	480 mg/kg body weight
N-Nitroso-N-methylethylamine (10595-95-6)	
LD50 oral rat	90 mg/kg (Rat)
ATE US (oral)	90 mg/kg body weight
N-Nitrosomorpholine (59-89-2)	
LD50 oral rat	282 mg/kg (Rat, Oral)
ATE US (oral)	282 mg/kg body weight
N-Nitrosopiperdine (100-75-4)	
LD50 oral rat	200 mg/kg (Rat, Oral)
ATE US (oral)	200 mg/kg body weight
N-Nitrosopyrrolidine (930-55-2) LD50 oral rat	900 mg/kg (Rat, Oral)
ATE US (oral)	900 mg/kg body weight
	Soo highly body weight
Methylene Chloride (75-09-2)	> 2000 malles hade weight (OECD 404, Asuta Oral Taviaite, Data Mala (famale, Famale, et al.
LD50 oral rat	> 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral)
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.
N-nitrosodibutylamine (924-16-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
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N Nitropodiothylaming (55.19.5)	
N-Nitrosodiethylamine (55-18-5) National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
N-Nitrosodimethylamine (62-75-9)	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
N-Nirosodi-n-propylamine (621-64-7)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
N-Nitroso-N-methylethylamine (10595-95-6)	
IARC group	2B - Possibly carcinogenic to humans
N-Nitrosomorpholine (59-89-2)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
N-Nitrosopiperdine (100-75-4)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
N-Nitrosopyrrolidine (930-55-2)	
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
Methylene Chloride (75-09-2)	
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
SECTION 12: Ecological informatior	h
12.1. Toxicity	
N-Nitrosodiethylamine (55-18-5)	
LC50 fish 1	775 mg/l (96 h, Pimephales promelas)
Methylene Chloride (75-09-2)	
LC50 fish 1	193 mg/l (96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 Daphnia 1	168.2 mg/l (48 h, Daphnia magna)
12.2. Persistence and degradability	
Nitrosamine Isotopes Mix	Net established
Persistence and degradability	Not established.
N-nitrosodibutylamine (924-16-3)	
Persistence and degradability	Biodegradability in water: no data available.
N-Nitrosodiethylamine (55-18-5)	
Persistence and degradability	Not readily biodegradable in water.
N-Nitrosodimethylamine (62-75-9)	
Persistence and degradability	Not readily biodegradable in water. Photolysis in water. Photolysis in the air.

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N-Nitroso-N-methylethylamine (10595-95-6)	
Persistence and degradability	Biodegradability in water: no data available.
N-Nitrosomorpholine (59-89-2)	
Persistence and degradability	Biodegradability in water: no data available.
N-Nitrosopiperdine (100-75-4)	
Persistence and degradability	Biodegradability in water: no data available.
N-Nitrosopyrrolidine (930-55-2)	
Persistence and degradability	Biodegradability in water: no data available.
Methylene Chloride (75-09-2)	
Persistence and degradability	Biodegradable in the soil. Not readily biodegradable in water.
2.3. Bioaccumulative potential	
Nitrosamine Isotopes Mix	
Bioaccumulative potential	Not established.
N-nitrosodibutylamine (924-16-3)	
Bioaccumulative potential	No bioaccumulation data available.
N-Nitrosodiethylamine (55-18-5)	
BCF other aquatic organisms 1	1 (Estimated value)
Log Pow	0.48
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
N-Nitrosodimethylamine (62-75-9)	
Log Pow	-0.770.57
Bioaccumulative potential	Bioaccumulation: not applicable.
N-Nirosodi-n-propylamine (621-64-7)	
Log Pow	1.31 - 1.36
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
N-Nitroso-N-methylethylamine (10595-95-6)	
Bioaccumulative potential	No bioaccumulation data available.
N-Nitrosomorpholine (59-89-2)	
Log Pow	-0.44
Bioaccumulative potential	Not bioaccumulative.
N-Nitrosopiperdine (100-75-4)	
Bioaccumulative potential	No bioaccumulation data available.
N-Nitrosopyrrolidine (930-55-2)	
Bioaccumulative potential	No bioaccumulation data available.
Methylene Chloride (75-09-2)	
BCF fish 1	2 - 40 (OECD 305: Bioconcentration: Flow-Through Fish Test, 6 week(s), Cyprinus carpio, Semi-static system, Fresh water, Experimental value, GLP)
Log Pow	1.25 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)

Methylene Chloride (75-09-2)	
Surface tension	0.028 N/m (20 °C)
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.

12.5. Other adverse effects

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N-nitrosodibutylamine (924-16-3)	
N-Nitrosodiethylamine (55-18-5)	
N-Nitrosodimethylamine (62-75-9)	
N-Nit OSOdimetriylanine (62-75-5)	
N-Nirosodi-n-propylamine (621-64-7)	
N-Nitroso-N-methylethylamine (10595-95-6)	
N-Nitrosomorpholine (59-89-2)	
N-Nitrosopiperdine (100-75-4)	
N-Nitrosopyrrolidine (930-55-2)	
Methylene Chloride (75-09-2)	
Other information	: Avoid release to the environment.
SECTION 12: Disposal consideration	
SECTION 13: Disposal consideration 13.1. Disposal methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	
Department of Transportation (DOT)	
In accordance with DOT	
Transport document description	: UN2810 Toxic, liquids, organic, n.o.s. (dichloromethane ; N-nitrosodibutylamine ;
	diethylnitrosoamine ; N-methyl-N-nitrosomethanamine ; nitrosodipropylamine ; 1-
UN-No.(DOT)	nitrosopyrrolidine), 6.1, III : UN2810
Proper Shipping Name (DOT)	: Toxic, liquids, organic, n.o.s.
	dichloromethane ; N-nitrosodibutylamine ; diethylnitrosoamine ; N-methyl-N-
	nitrosomethanamine ; nitrosodipropylamine ; 1-nitrosopyrrolidine
Class (DOT)	: 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132
Packing group (DOT)	: III - Minor Danger
Hazard labels (DOT)	: 6.1 - Poison
	*
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx)	: 203 : 241

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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). T7 - 4 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	:	153
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	220 L
DOT Vessel Stowage Location	:	A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	:	40 - Stow "clear of living quarters"
Emergency Response Guide (ERG) Number	:	153
Other information	:	No supplementary information available.
Transportation of Dangerous Goods		
Not applicable		
Transport by sea		
Transport document description (IMDG)	:	UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (dichloromethane ; N-nitrosodibutylamine ; diethylnitrosoamine ; N-methyl-N-nitrosomethanamine ; nitrosodipropylamine ; 1- nitrosopyrrolidine), 6.1, III
UN-No. (IMDG)	:	2810
Proper Shipping Name (IMDG)	:	TOXIC LIQUID, ORGANIC, N.O.S.
Class (IMDG)	:	6.1 - Toxic substances
Packing group (IMDG)	:	III - substances presenting low danger
Air transport		
Transport document description (IATA)	:	UN 2810 Toxic liquid, organic, n.o.s. (dichloromethane ; N-nitrosodibutylamine ; diethylnitrosoamine ; N-methyl-N-nitrosomethanamine ; nitrosodipropylamine ; 1-nitrosopyrrolidine), 6.1, III
UN-No. (IATA)	:	2810
Proper Shipping Name (IATA)	:	Toxic liquid, organic, n.o.s.
Class (IATA)	:	6.1 - Toxic Substances
Packing group (IATA)	:	III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

N-nitrosodibutylamine (924-16-3)	
Listed on the United States TSCA (Toxic Substan Subject to reporting requirements of United States	
CERCLA RQ	10 lb
N-Nitrosodiethylamine (55-18-5)	
N-Nitrosodiethylamine (55-18-5) Listed on the United States TSCA (Toxic Substan Subject to reporting requirements of United States	

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N Nitropodimethylomine (62,75,0)			
N-Nitrosodimethylamine (62-75-9)	And Antiparticularity incompany		
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State			
Listed on EPA Hazardous Air Pollutant (HAPS)			
CERCLA RQ	10 lb		
RQ (Reportable quantity, section 304 of EPA's List of Lists)	10 lb		
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb		
N-Nirosodi-n-propylamine (621-64-7)			
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State			
CERCLA RQ 10 lb			
N-Nitroso-N-methylethylamine (10595-95-6)			
Not listed on the United States TSCA (Toxic Sub	stances Control Act) inventory		
N-Nitrosomorpholine (59-89-2)			
Not listed on the United States TSCA (Toxic Sub- Subject to reporting requirements of United State			
Listed on EPA Hazardous Air Pollutant (HAPS)			
CERCLA RQ	1 lb		
N-Nitrosopiperdine (100-75-4)			
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State			
CERCLA RQ 10 lb			
N-Nitrosopyrrolidine (930-55-2)			
Listed on the United States TSCA (Toxic Substar Not subject to reporting requirements of the United			
EPA TSCA Regulatory Flag	S - S - indicates a substance that is identified in a final Significant New Use Rule.		
CERCLA RQ 1 lb			
Methylene Chloride (75-09-2)			
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State			
Listed on EPA Hazardous Air Pollutant (HAPS)			
EPA TSCA Regulatory Flag	R - R - indicates a substance that is the subject of a TSCA section 6 risk management rule.		
CERCLA RQ 1000 lb			

15.2. International regulations			
CANADA			
N-nitrosodibutylamine (924-16-3)			
Listed on the Canadian NDSL (Non-Do	mestic Substances List)		
N-Nitrosodiethylamine (55-18-5)			
Listed on the Canadian DSL (Domestic	Substances List)		
N-Nitrosodimethylamine (62-75-9)			
Listed on the Canadian NDSL (Non-Do	mestic Substances List)		
N-Nirosodi-n-propylamine (621-64-7)			
Listed on the Canadian NDSL (Non-Do	mestic Substances List)		
N-Nitroso-N-methylethylamine (1059	5-95-6)		
Not listed on the Canadian DSL (Dome	stic Substances List)/NDSL (Non-I	Domestic Substances List)	
N-Nitrosomorpholine (59-89-2)			
Not listed on the Canadian DSL (Dome	stic Substances List)/NDSL (Non-I	Domestic Substances List)	
N-Nitrosopiperdine (100-75-4)			
Listed on the Canadian NDSL (Non-Do	mestic Substances List)		
N-Nitrosopyrrolidine (930-55-2)			
Listed on the Canadian NDSL (Non-Do	mestic Substances List)		
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Methylene Chloride (75-09-2)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations N-nitrosodibutylamine (924-16-3) Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program) N-Nitrosodiethylamine (55-18-5) Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program) N-Nitrosodimethylamine (62-75-9) Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program) Listed on EPA Hazardous Air Pollutant (HAPS) N-Nirosodi-n-propylamine (621-64-7) Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program) N-Nitroso-N-methylethylamine (10595-95-6) Listed on IARC (International Agency for Research on Cancer) N-Nitrosomorpholine (59-89-2) Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program) Listed on EPA Hazardous Air Pollutant (HAPS) N-Nitrosopiperdine (100-75-4) Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program) N-Nitrosopyrrolidine (930-55-2) Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program) Methylene Chloride (75-09-2) Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program) Listed on EPA Hazardous Air Pollutant (HAPS)

15.3. US State regulations

N-nitrosodibuty	lamine (924-16-3)				
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)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.06 µg/day	
N-Nitrosodiethy	lamine (55-18-5)				
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)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.02 µg/day	

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N-Nitrosodimet	hylamine (62-75-9)				
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)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.04 µg/day	
N-Nirosodi-n-pr	opylamine (621-64-7)			
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)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.1 μg/day	
N-Nitroso-N-me	thylethylamine (1059	95-95-6)			
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)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.03 µg/day	
N-Nitrosomorph	noline (59-89-2)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.1 μg/day	
N-Nitrosopipero	line (100-75-4)				
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)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.07 µg/day	
N-Nitrosopyrrol	idine (930-55-2)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	0.3 μg/day	
Methylene Chlo	ride (75-09-2)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	50 μg/day	

SECTION 16: Other i	nformation	
Revision date	: 12/20/2019	
Other information	: None.	
Full text of H-phrases:		
H226	Flammable liquid and vapour	
H350	May cause cancer	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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