

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: 21/04/2015 Revision date: 05/11/2021 Supersedes: 21/04/2015 Version: 1.1

CDLM-7279-S

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixtures

Product name : N-NITROSODIMETHYLAMINE (13C2, 99%; D6, 98%) 1 MG/ML IN CD2CL2

Product code : CDLM-7279-S

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 safety data sheet

Cambridge Isotope Laboratories, Inc.

50 Frontage Road Andover, MA 01810

USA

USA: 1-800-322-1174 Int: 1-978-749-8000 <u>cilsales@isotope.com</u> www.isotope.com

Emergency telephone number

Emergency numbers:

Chemtrec: 1-800-424-9300 (24 hours) International: 1-703-741-5970 (24 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Oral) H302
Acute Tox. 4 (Dermal) H312
Skin Irrit. 2 H315
Eye Irrit. 2 H319
Carc. 2 H351
STOT SE 3 H335
STOT SE 3 H336
STOT RE 2 H373

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

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.3; R40 T; R39/23/24/25 Xn; R22 Xi; R36/38

Full text of R-phrases: see section 16

GHS-US classification

Acute Tox. 4 (Oral) H302 Acute Tox. 4 (Dermal) H312 Skin Irrit. 2 H315 Eye Irrit. 2A H319 Carc. 2 H351 STOT SE 3 H335 STOT SE 3 H336 STOT RE 2 H373

Full text of H statements : see section 16

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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) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS08



Signal word (CLP) : Danger

: METHYLENE CHLORIDE-D2 (D, 99.8%) Hazardous ingredients

H302+H312 - Harmful if swallowed or in contact with skin Hazard statements (CLP)

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 (liver, pancreas, blood, central nervous system, heart, kidneys) through prolonged or repeated exposure (in contact with skin, if inhaled, if swallowed)

P260 - Do not breathe fume, mist, spray, vapors. Precautionary statements (CLP)

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 POISON CENTER or doctor 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)





Signal word (GHS-US) : Danger

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 (liver, pancreas, blood, central nervous system, heart,

kidneys) 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 fume, mist, spray, vapors. P261 - Avoid breathing fume, 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 poison center or doctor 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

P308+P313 - If exposed or concerned: Get medical advice/attention.

P312 - Call a poison center or doctor if you feel unwell

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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

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2 Miyturos

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	99.927	Xi; R36/37/38 Carc.Cat.3; R40 T; R48/25 R67 Xn; R21/22
N-NITROSODIMETHYLAMINE (13C2, 99%; D6, 98%)	(CAS-No.) 62-75-9 (Unlabeled) (EC-No.) 200-549-8 (EC Index-No.) 612-077-00-3	0.073	Carc.Cat.1; R45 T+; R26 T; R25 N; R51/53 R48
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	99.927	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 (13C2, 99%; D6, 98%)	(CAS-No.) 62-75-9 (Unlabeled) (EC-No.) 200-549-8 (EC Index-No.) 612-077-00-3	0.073	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Inhalation), H331 Carc. 1A, H350 STOT RE 1, H372
Name	Product identifier	%	GHS-US classification
METHYLENE CHLORIDE-D2 (D, 99.8%)	(CAS-No.) 1665-00-5	99.927	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

Full text of R- and H- phrases: see section 16

SECTION 4: First aid measures

First-aid measures general : Call a POISON CENTER or doctor/physician. May cause cancer.

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician. Call a POISON CENTER or doctor/physician if you feel

unwell.

: Wash with plenty of soap and water. Wash contaminated clothing before reuse. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

First-aid measures after eye contact

First-aid measures after skin contact

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

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First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Causes severe skin burns and eye damage. Causes damage to organs (kidneys, liver, central

nervous system, heart) (Inhalation, dermal, oral).

Symptoms/effects after inhalation : May cause respiratory irritation. May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : Harmful if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Reactivity : Thermal decomposition generates : Corrosive vapors.

5.3. Advice for firefighters

Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Use personal protective equipment as required. Ventilate spillage area. Do not breathe dust,

fume, gas, mist, spray, vapors. Avoid contact with skin, eyes and clothing.

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 further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

For containment : Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable,

closed containers 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

Precautions for safe handling : Avoid contact during pregnancy/while nursing. Obtain special instructions before use. Do not

handle until all safety precautions have been read and understood. Use only outdoors or in a

well-ventilated area

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

Storage conditions : Store refrigerated (-5 °C to 5 °C). Protect from light.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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)

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METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-00-5)		
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/m³)	435 mg/m³ 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/m³)	87 mg/m³ 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.

8.2. Exposure controls

Personal protective equipment : Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.









Hand protection : Wear suitable protective clothing and gloves.

Eye protection : Chemical goggles or face shield. Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is

recommended.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

The properties listed below are for the solvent, the main component of this mixture.

Physical state : Liquid

Appearance : Liquid

Molecular mass : 86.95 g/mol (Labeled)

Color : Colorless

Odor : Sweet, penetrating, ether-like odor

Odor threshold : No data available pH : No data available Relative evaporation rate (butyl acetate=1) : No data available Melting point : -97 °C (-143 °F) Freezing point : No data available

Boiling point : 39.8 - 40 °C (103.6 - 104 °F)

Flash point : 39 - 40 °C

Auto-ignition temperature : 556.1 °C (1,033.0 °F); 622.0 °C (1,223.6 °F)

Decomposition temperature : No data available

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Flammability (solid, gas) : No data available

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 : 1.362 g/ml @ 25 °C (77 °F) (Labeled)

Solubility : No data available Log Pow : No data available Log Kow : No data available Viscosity, kinematic : No data available : No data available Viscosity, dynamic Explosive properties : No data available : No data available Oxidizing properties **Explosion limits** : 12 - 19 % (V)

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition generates: Corrosive vapors.

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

Heat. Sparks. Open flame. Direct sunlight. Protect from sunlight.

10.5. Incompatible materials

Alkali metals. Aluminum. Strong oxidizing agents. Bases. Magnesium. Strong acids. Strong bases. Vinyl.

10.6. Hazardous decomposition products

Thermal decomposition generates: Corrosive vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed. Dermal: Harmful in contact with skin.

N-NITROSODIMETHYLAMINE (13C2, 99%; D6, 98%) 1 MG/ML IN CD2CL2	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg (OECD Test Guideline 402)
LC50 inhalation rat (mg/l)	52000 mg/m³
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

N-NITROSODIMETHYLAMINE (13C2, 99%; D6, 98%) (62-75-9 (Unlabeled))	
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)	700.000 ppmV/4h
ATE CLP (vapors)	3.000 mg/l/4h
ATE CLP (dust, mist)	0.500 mg/l/4h

METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-00-5)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg (OECD Test Guideline 402)
LC50 inhalation rat (mg/l)	52000 mg/m³
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

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METHAL PAR OUR OPIDE DO (D. 00 00) (1005 00 5)		
METHYLENE CHLORIDE-D2 (D, 99.8%) (1665-00-5)		
ATE CLP (dust, mist)	52.000 mg/l/4h	
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 available	
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 available	
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 cause respiratory irritation. May cause drowsiness or dizziness.	
Symptoms/effects after skin contact	: Causes skin irritation.	
Symptoms/effects after eye contact	: Causes serious eye irritation.	
Symptoms/effects after ingestion	: Harmful if swallowed.	

SECTION 12: Ecological information

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Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse

N-NITROSODIMETHYLAMINE (13C2, 99%; D6, 98%) 1 MG/ML IN CD2CL2		
LC50 fish 1	193 mg/l Pimephales promelas (fathead minnow) - 96 h	
EC50 Daphnia 1	1682 mg/l Daphnia magna (Water flea) - 48 h	
NOEC (chronic)	130 mg/l Cyprinodon variegatus (sheepshead minnow) - 96 h	
N-NITROSODIMETHYLAMINE (13C2, 99%; D6, 98%) (62-75-9 (Unlabeled))		
LC50 fish 1	832 - 1062 mg/l Pimephales promelas (fathead minnow) - 96 h	
ErC50 (algae)	4 mg/l Pseudokirchneriella subcapitata (green algae) - 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/l Daphnia magna (Water flea) - 48 h	
NOEC (chronic)	130 mg/l Cyprinodon variegatus (sheepshead minnow) - 96 h	

12.2. Persistence and degradability

N-NITROSODIMETHYLAMINE (13C2, 99%; D6, 98%) 1 MG/ML IN CD2CL2		
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

N-NITROSODIMETHYLAMINE (13C2, 99%; D6, 98%) 1 MG/ML IN CD2CL2	
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.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

	110001110 01 1 2 1 11110 11 1 2 1 1000001110111
N-NIT	FROSODIMETHYLAMINE (13C2, 99%; D6, 98%) 1 MG/ML IN CD2CL2
PBT:	not relevant – no registration required

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

PBT: not relevant - no registration required

12.6. Other adverse effects

Other adverse effects : Not 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 : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Dispose of as unused product.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No.(DOT) : 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



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...... 178.275(d)(3)

TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.

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

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

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Hazard labels (ADR) : 6.1 - Toxic substances

6

Orange plates :

60 1593

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 : 60 L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 220 L

CFR 175.75)

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

N-NITROSODIMETHYLAMINE (13C2, 99%; D6, 98%) 1 MG/ML IN CD2CL2		
Subject to reporting requirements of United States 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%) (1665-00-5) Subject to reporting requirements of United States SARA Section 313 SARA Section 302 Threshold Planning Quantity (TPQ) SARA Section 311/312 Hazard Classes Immediate (acute) health hazard Delayed (chronic) health hazard

15.2. International regulations

CANADA

N-NITROSODIMETHYLAMINE (13C2, 99%; D6, 98%) 1 MG/ML IN CD2CL2	
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)	

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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

15.2.1. National regulations

No additional information available

15.3. US State regulations

N-NITROSODIMETHYLAMINE (13C2, 99%; D6, 98%) 1 MG/ML IN CD2CL2()		
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	

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

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	

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

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

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:

Acute Tox. 3 (Inhalation)	Acute toxicity (inhalation) Category 3
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
Carc. 1A	Carcinogenicity Category 1A
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
H301	Toxic if swallowed
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H350	May cause cancer
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
R21/22	Harmful in contact with skin and if swallowed
R22	Harmful if swallowed

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R25	Toxic if swallowed
R26	Very toxic by inhalation
R36/37/38	Irritating to eyes, respiratory system and skin
R36/38	Irritating to eyes and skin
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R40	Limited evidence of a carcinogenic effect
R45	May cause cancer
R48	Danger of serious damage to health by prolonged exposure
R48/25	Toxic: danger of serious damage to health by prolonged exposure if swallowed
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R67	Vapors may cause drowsiness and dizziness
N	Dangerous for the environment
Т	Toxic
T+	Very toxic
Xi	Irritant
Xn	Harmful

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause

temporary incapacitation or residual injury.

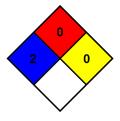
NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions,

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

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