



# N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE

## Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 08/01/2016

Revision date:

Version: 1.0

**NLM-7647-S**

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

#### 1.1. Product identifier

Product form : Mixture  
Product name. : N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE  
Product code : NLM-7647-S

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

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  
[cilsales@isotope.com](mailto:cilsales@isotope.com) [www.isotope.com](http://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 RE 2	H373

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC or 1999/45/EC

Carc.Cat.3; R40  
F+; R12  
T; R39/23/24/25  
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	H336
STOT SE 3	H335
STOT RE 2	H373

##### Adverse physicochemical, human health and environmental effects

Liver, Pancreas, Blood, Central nervous system, Heart, Kidney. Inhalation: anesthetic effects, nausea and drunkenness.

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### 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Warning

Hazardous ingredients

: METHYLENE CHLORIDE UNLABELED

Hazard statements (CLP)

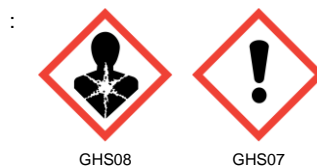
: H302+H312 - Harmful if swallowed or in contact with skin  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H351 - Suspected of causing cancer  
H373 - May cause damage to organs (liver) through prolonged or repeated exposure

Precautionary statements (CLP)

: P260 - Do not breathe dust, fume, gas, mist, spray, vapours  
P264 - Wash Both hands thoroughly after handling  
P270 - Do no 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/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 labelling

Hazard pictograms (GHS-US)



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 (liver) 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, vapours  
P261 - Avoid breathing dust, fume, gas, mist, spray, vapours  
P264 - Wash Both hands thoroughly after handling  
P270 - Do no 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/physician if you feel unwell  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position 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/doctor/physician if you feel unwell  
P314 - Get medical advice and attention if you feel unwell  
P321 - Specific treatment (see Hazard pictograms (CLP) on this label)  
P330 - If swallowed, 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

# N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE NLM-7647-S

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P501 - Dispose of contents/container to Comply with applicable regulations.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
METHYLENE CHLORIDE UNLABELED	(CAS No) 75-09-2 (EC no) 000-838-9 (EC index no) 602-004-00-3	99.925	Carc.Cat.3; R40 T; R39/23/24/25 Xi; R36/38 R67
N-NITROSODIMETHYLAMINE (15N2, 98%)	(CAS No) 62-75-9 (Unlabeled) (EC no) 204-697-4 (Unlabeled) (EC index no) 612-001-00-9	0.075	F+; R12 Xn; R22 R52/53

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
METHYLENE CHLORIDE UNLABELED	(CAS No) 75-09-2 (EC no) 000-838-9 (EC index no) 602-004-00-3	99.925	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 1, H370 STOT SE 3, H336
N-NITROSODIMETHYLAMINE (15N2, 98%)	(CAS No) 62-75-9 (Unlabeled) (EC no) 204-697-4 (Unlabeled) (EC index no) 612-001-00-9	0.075	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Inhalation), H330 Carc. 1B, H350 STOT RE 1, H372 Aquatic Chronic 2, H411

Name	Product identifier	%	GHS-US classification
METHYLENE CHLORIDE UNLABELED	(CAS No) 75-09-2	99.925	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-, H- and EUH-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
First-aid measures after inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
First-aid measures after skin contact	: Immediately call a POISON CENTER or doctor/physician. Specific measures (see Hazard pictograms (CLP) on this label). Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Wash with plenty of soap and water. Get medical advice/attention. Specific treatment (see Hazard pictograms (CLP) on this label).
First-aid measures after eye contact	: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
First-aid measures after ingestion	: Rinse mouth. Call a POISON CENTER/doctor/physician if you feel unwell.

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

Symptoms/injuries	: Causes damage to organs (liver) (Inhalation, dermal, oral).
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin. Causes skin irritation.
Symptoms/injuries after eye contact	: Causes eye irritation.
Symptoms/injuries after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.

# N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE NLM-7647-S

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

No additional information available

## 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

No additional information available

### 5.3. Advice for firefighters

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. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe area.

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

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

### 6.3. Methods and material for containment and cleaning up

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

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : 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. Avoid breathing dust, mist or spray.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash Both hands thoroughly after handling.

### 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

N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	50.0000000000 ppm Central Nervous System impairment, Carboxyhemoglobinemia substances (see BEI)
METHYLENE CHLORIDE UNLABELED (75-09-2)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	50.0000000000 ppm Central Nervous System impairment, Carboxyhemoglobinemia substances (see BEI)
USA OSHA	OSHA PEL (STEL) (ppm)	125.0000000000 ppm

### 8.2. Exposure controls

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



Hand protection : Wear suitable protective clothing and gloves.

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Eye protection	: Wear safety glasses with side shields (or goggles) and a face shield.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: When appropriate, use NIOSH/CEN approved respirator.

### 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	: 84.93 g/mol
Colour	: Colourless.
Odour	: Sweet, penetrating, ether-like odour.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=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	: No data available
Self ignition temperature	: 556.1 °C (1,033.0 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 470.9 hPa (353.2 mmHg) at 20.0 °C (68.0 °F)
Relative vapour density at 20 °C	: 2.93 - (Air = 1.0)
Relative density	: No data available
Density	: 1.325 g/ml at 25 °C (77 °F)
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 12 - 19 % (V)

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

See storage and expiration date on CoA.

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

Heat, flames and sparks. Exposure to sunlight.

#### 10.5. Incompatible materials

Alkali metals, Aluminum, Strong oxidizing agents, Bases, Amines, Magnesium. Strong acids and strong bases, Vinyl compounds.

#### 10.6. Hazardous decomposition products

Formed under fire conditions. - Carbon oxides, Hydrogen chloride gas.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

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

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N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE	
LC50 inhalation rat (mg/l)	52000 mg/m <sup>3</sup>
ATE (oral)	500.000 mg/kg bodyweight
ATE (dermal)	1100.000 mg/kg bodyweight
ATE (vapours)	52.000 mg/l/4h
ATE (dust,mist)	52.000 mg/l/4h

N-NITROSODIMETHYLAMINE (15N2, 98%) (62-75-9 (Unlabeled))	
LD50 oral rat	37 mg/kg
LC50 inhalation rat (ppm)	78 ppm - 4 h
ATE (oral)	37.000 mg/kg bodyweight
ATE (gases)	10.000 ppmV/4h
ATE (vapours)	0.050 mg/l/4h
ATE (dust,mist)	0.005 mg/l/4h

METHYLENE CHLORIDE UNLABELED (75-09-2)	
LC50 inhalation rat (mg/l)	52000 mg/m <sup>3</sup>
ATE (dermal)	1100.000 mg/kg bodyweight
ATE (vapours)	52.000 mg/l/4h
ATE (dust,mist)	52.000 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation. Skin - rabbit - Skin irritation - 24 h - Draize Test
Serious eye damage/irritation	: Causes serious eye irritation. Eyes - rabbit - Mild eye irritation - 24 h - Draize Test
Respiratory or skin sensitisation	: Not available No data available
Germ cell mutagenicity	: Genotoxicity in vivo - rat - Oral : DNA damage
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Not available
Specific target organ toxicity (single exposure)	: May cause respiratory irritation. May cause respiratory irritation. May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: May cause damage to organs (liver) through prolonged or repeated exposure. Inhalation/Oral - May cause damage to organs through repeated exposure.
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Harmful if swallowed. Harmful in contact with skin.
IARC group	: 2B
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin. Causes skin irritation.
Symptoms/injuries after eye contact	: Causes eye irritation.
Symptoms/injuries after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.

## SECTION 12: Ecological information

### 12.1. Toxicity

N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE	
LC50 fishes 1	193.00 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	1682.00 mg/l Daphnia magna (Water flea) - 48 h
NOEC (chronic)	130 mg/l Cyprinodon variegatus (sheepshead minnow) - 96 h

N-NITROSODIMETHYLAMINE (15N2, 98%) (62-75-9 (Unlabeled))	
LC50 fishes 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 -

METHYLENE CHLORIDE UNLABELED (75-09-2)	
LC50 fishes 1	193.00 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	1682.00 mg/l Daphnia magna (Water flea) - 48 h

# N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE NLM-7647-S

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### METHYLENE CHLORIDE UNLABELED (75-09-2)

NOEC (chronic) 130 mg/l Cyprinodon variegatus (sheepshead minnow) - 96 h

### 12.2. Persistence and degradability

#### N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE

Persistence and degradability Result: < 30.0 % - Not readily biodegradable.

#### N-NITROSODIMETHYLAMINE (15N2, 98%) (62-75-9 (Unlabeled))

Persistence and degradability Not available.

### METHYLENE CHLORIDE UNLABELED (75-09-2)

Persistence and degradability Result: < 30.0 % - Not readily biodegradable.

### 12.3. Bioaccumulative potential

#### N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE

Bioaccumulative potential Not available.

#### N-NITROSODIMETHYLAMINE (15N2, 98%) (62-75-9 (Unlabeled))

Bioaccumulative potential Not available.

### METHYLENE CHLORIDE UNLABELED (75-09-2)

Bioaccumulative potential Not available.

### 12.4. Mobility in soil

#### N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE

Ecology - soil Not available.

#### N-NITROSODIMETHYLAMINE (15N2, 98%) (62-75-9 (Unlabeled))

Ecology - soil Not available.

### METHYLENE CHLORIDE UNLABELED (75-09-2)

Ecology - soil Not available.

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 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.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

### 14.1. UN number

UN-No.(DOT) : 1593

DOT NA no. UN1593

### 14.2. UN proper shipping name

DOT Proper Shipping Name : Dichloromethane

Department of Transportation (DOT) Hazard Classes : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132

Hazard labels (DOT) : 6.1 - Poison inhalation hazard



Packing group (DOT) : III - Minor Danger

# N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE NLM-7647-S

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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). 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
Danger labels (ADR)	: 6.1 - Toxic substances



Orange plates	: 
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Tunnel restriction code	: E
Limited quantities (ADR)	: 5L
EAC code	: 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(Hazardous materials notice Appended Table 1 Article 194 of the Enforcement Regulations)

### 14.4. Environmental hazards

Other information : No supplementary information available.



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### 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 (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE

Listed on SARA Section 313 (Specific toxic chemical listings)

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
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#### METHYLENE CHLORIDE UNLABELED (75-09-2)

Listed on SARA Section 313 (Specific toxic chemical listings)

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
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### 15.2. International regulations

#### CANADA

#### N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### METHYLENE CHLORIDE UNLABELED (75-09-2)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### 15.2.1. National regulations

No additional information available

### 15.3. US State regulations

#### N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE()

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 WARNING! This product contains a chemical known by the state of California to cause cancer.
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#### METHYLENE CHLORIDE UNLABELED (75-09-2)

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  
WARNING! This product contains a chemical known by the state of California to cause cancer.

## 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. 1 (Inhalation)	Acute toxicity (inhal.), Category 1
Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2
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
Carc. 1B	Carcinogenicity, Category 1B
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2

# N-NITROSODIMETHYLAMINE (15N2, 98%) 1 MG/ML IN METHYLENE CHLORIDE NLM-7647-S

## Safety Data Sheet

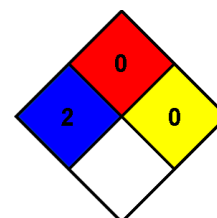
according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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 1	Specific target organ toxicity — single exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H300	Fatal if swallowed
H302	Harmful if swallowed
H312	Harmful in contact with skin
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
H351	Suspected of causing cancer
H370	Causes damage to organs
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
R12	Extremely flammable
R22	Harmful if swallowed
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
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R67	Vapours may cause drowsiness and dizziness
F+	Extremely flammable
T	Toxic
Xi	Irritant
Xn	Harmful

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III 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*