

# 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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ULM-7207-S

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

# 1.1. Product identifier

Product form : Mixtures

Product name : NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) 2 MG/ML IN ACETONITRILE

Product code : ULM-7207-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 cilsales@isotope.com 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]

 Flam. Liq. 2
 H225

 Acute Tox. 4 (Oral)
 H302

 Acute Tox. 4 (Dermal)
 H312

 Acute Tox. 4 (Inhalation:dust,mist)
 H332

 Eye Irrit. 2
 H319

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

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

F; R11 Xn: R20/21/

Xn; R20/21/22 Xi; R36

Full text of R-phrases: see section 16

### **GHS-US** classification

Flam. Liq. 2 H225
Acute Tox. 4 (Oral) H302
Acute Tox. 4 (Dermal) H312
Acute Tox. 4 (Inhalation:dust,mist) H332
Eye Irrit. 2A H319
Full text of H statements : see section 16

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

Lungs, Blood, Kidney, Liver, Central nervous system.

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#### 2.2. **Label elements**

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

Hazard pictograms (CLP)





Signal word (CLP) : Danger

Hazardous ingredients : ACETONITRILE UNLABELED; NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%)

Hazard statements (CLP) H225 - Highly flammable liquid and vapor

H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled

H319 - Causes serious eye irritation

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical, lighting, ventilating equipment

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.

#### **GHS-US** labeling

Hazard pictograms (GHS-US)





Signal word (GHS-US) : Danger

: H225 - Highly flammable liquid and vapor Hazard statements (GHS-US)

H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled

H319 - Causes serious eye irritation

Precautionary statements (GHS-US) P210 - Keep away from heat, open flames, hot surfaces, sparks. - No smoking.

P233 - Keep container tightly closed.

P240 - Ground/Bond container and receiving equipment

P241 - Use explosion-proof electrical, lighting, ventilating equipment

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge. 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 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

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

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

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

P321 - Specific treatment (see Hazard pictograms (CLP) on this label)

P330 - Rinse mouth

P337+P313 - If eye irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use Carbon dioxide, Dry chemical, Alcohol resistant foam, Water spray to extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

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

#### Other hazards

No additional information available

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### **SECTION 3: Composition/Information on ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name   | Product identifier  | %       | Classification according to Directive 67/548/EEC   |
|--|---|---------|--|
| ACETONITRILE UNLABELED                       | (CAS-No.) 75-05-8<br>(EC-No.) 200-835-2<br>(EC Index-No.) 608-001-00-3<br>(REACH-no) 01-2119471307-38 | 99.7455 | F; R11<br>Xi; R36<br>Xn; R20/21/22   |
| NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) | (CAS-No.) 71267-22-6  | 0.2545  | T; R25   |
| Name   | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
| ACETONITRILE UNLABELED                       | (CAS-No.) 75-05-8<br>(EC-No.) 200-835-2<br>(EC Index-No.) 608-001-00-3<br>(REACH-no) 01-2119471307-38 | 99.7455 | Flam. Liq. 2, H225<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Eye Irrit. 2, H319  |
| NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) | (CAS-No.) 71267-22-6  | 0.2545  | Acute Tox. 3 (Oral), H301  |
| Name   | Product identifier  | %       | GHS-US classification  |
| ACETONITRILE UNLABELED                       | (CAS-No.) 75-05-8   | 99.7455 | Flam. Liq. 2, H225<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Eye Irrit. 2A, H319 |
| NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) | (CAS-No.) 71267-22-6  | 0.2545  | Acute Tox. 3 (Oral), H301  |

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 : In case of accident or if you feel unwell, seek medical advice immediately (show the label

where possible). Evacuate area.

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a

POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.

First-aid measures after eye 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.

First-aid measures after ingestion : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

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

Symptoms/effects after inhalation : Harmful if inhaled. Danger of serious damage to health by prolonged exposure through

inhalation.

Symptoms/effects after skin contact : Harmful in contact with skin. Repeated exposure to this material can result in absorption

through skin causing significant health hazard.

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

Symptoms/effects after ingestion : Harmful if swallowed.

# 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 : Water spray. Alcohol resistant foam. Dry chemical. Carbon dioxide.

# 5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapor.

Explosion hazard : May form flammable/explosive vapor-air mixture.

Reactivity : Vapours may form explosive mixture with air.

### 5.3. Advice for firefighters

Firefighting instructions : Wear a self contained breathing apparatus. Fight fire with normal precautions from a

reasonable distance.

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Protection during firefighting

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

Other information

: Use water spray to cool unopened containers.

#### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

General measures

: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No

#### 6.1.1 For non-emergency personnel

**Emergency procedures** 

: Use personal protective equipment as required. Avoid breathing vapors, mist, gas. Ensure adequate air ventilation. Evacuate unnecessary personnel. Eliminate all ignition sources if safe to do so. Provide adequate ventilation to minimize dust and/or vapor concentrations. Special attention should be given to low areas/pits where flammable vapors can accumulate.

#### 6.1.2. For emergency responders

Protective equipment

: For further information refer to section 8: "Exposure controls/personal protection".

#### **Environmental precautions**

Prevent entry to sewers and public waters.

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

For containment

: Dike and contain spill. Vacuum with an equipment that avoids ignition risk.

Methods for cleaning up

Collect spillage. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal.

#### Reference to other sections

No additional information available

#### **SECTION 7: Handling and storage**

#### Precautions for safe handling

Additional hazards when processed

: Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling

: No open flames. No smoking. Use only non-sparking tools. Use only outdoors or in a well-

ventilated area.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

# Conditions for safe storage, including any incompatibilities

Technical measures

Proper grounding procedures to avoid static electricity should be followed. Ground/bond

container and receiving equipment.

Store in freezer -80 C. Protect from light, air and moisture. Storage conditions Incompatible materials Heat sources.

#### Specific end use(s)

No additional information available

# **SECTION 8: Exposure controls/personal protection**

#### **Control parameters**

| NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) 2 MG/ML IN ACETONITRILE |                         |   |
|--|-------------------------|---|
| Italy - Portugal - USA ACGIH   | ACGIH TWA (ppm)         | 20.0000000 ppm Lower Respiratory Tract irritation.<br>Not classifiable as a human carcinogen. |
| ACETONITRILE UNLABELED   | O (75-05-8)             |   |
| Italy - Portugal - USA ACGIH   | ACGIH TWA (ppm)         | 20.00000000 ppm Lower Respiratory Tract irritation. Not classifiable as a human carcinogen.   |
| USA NIOSH  | NIOSH REL (TWA) (mg/m³) | 34 mg/m³ Forms Cyanide in the body.   |
| USA NIOSH  | NIOSH REL (TWA) (ppm)   | 20 ppm Forms Cyanide in the body.   |
| USA OSHA   | OSHA PEL (TWA) (mg/m³)  | 70 mg/m³ The value in mg/m3 is approximate.   |
| USA OSHA   | OSHA PEL (TWA) (ppm)    | 40 ppm The value in mg/m3 is approximate.   |

### **Exposure controls**

Appropriate engineering controls

: Handle in accordance with good industrial hygiene and safety procedures.

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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 : Chemical goggles or safety glasses.

Skin and body protection : Chemical goggles or safety glasses:

Wear suitable protective clothing.

Respiratory protection : Wear appropriate mask.

Environmental exposure controls : Avoid release to the environment.

# **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, clear

Color : Colorless

Odor : Pungent

Odor threshold : No data available
pH : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : -48 °C (-54°F)
Freezing point : No data available
Boiling point : 81 - 82 °C (178 - 180 °F)

Flash point :  $2 \,^{\circ}\text{C} (35.6 \,^{\circ}\text{F})$  - closed cup Auto-ignition temperature :  $523 \,^{\circ}\text{C} (973 \,^{\circ}\text{F})$ 

Decomposition temperature : No data available

Flammability (solid, gas) : Highly flammable liquid and vapor

Vapor pressure : 73.18 hPa (54.89 mmHg) at 15°C (59 °F), 119.81 hPa (89.86 mmHg) at 25°C(77 °F)

Relative vapor density at 20 °C : 1.42 - (Air = 1.0)
Relative density : No data available
Specific gravity / density : 0.786 g/ml
Solubility : Water: 100 %
Log Pow : -0.34

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 : 4.4 - 16 vol %

#### 9.2. Other information

No additional information available

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Vapours may form explosive mixture with air.

### 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

Open flame. Direct sunlight.

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#### 10.5. Incompatible materials

Acids. Bases. Oxidizing agent. Reducing agents. Alkali metals.

#### 10.6. Hazardous decomposition products

May release flammable gases.

Symptoms/effects after ingestion

# **SECTION 11: Toxicological information**

# 11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation:dust,mist: Harmful if

| Acute toxicity                                      | inhaled.  |
|---|---|
| NAT (N'-NITROSOANATABINE) UNLABELED                 | CP 97%) 2 MG/ML IN ACETONITRILE   |
| LD50 oral rat                                       | 2460 mg/kg  |
| LD50 dermal rabbit                                  | 2000 mg/kg  |
| LC50 inhalation rat (mg/l)                          | ≥ 26.8 mg/l   |
| LC50 inhalation rat (ppm)                           | 7551 ppm - 8h   |
| ATE CLP (oral)                                      | 500.000 mg/kg body weight   |
| ATE CLP (dermal)                                    | 2000.000 mg/kg body weight  |
| ATE CLP (vapors)                                    | 26.800 mg/l/4h  |
| ATE CLP (dust, mist)                                | 1.500 mg/l/4h   |
| ACETONITRILE UNLABELED (75-05-8)                    |   |
| LD50 oral rat                                       | 2460 mg/kg  |
| LD50 dermal rabbit                                  | 2000 mg/kg  |
| LC50 inhalation rat (mg/l)                          | ≥ 26.8 mg/l   |
| LC50 inhalation rat (ppm)                           | 7551 ppm - 8h   |
| ATE CLP (oral)                                      | 500.000 mg/kg body weight   |
| ATE CLP (dermal)                                    | 2000.000 mg/kg body weight  |
| ATE CLP (gases)                                     | 4500.000 ppmV/4h  |
| ATE CLP (vapors)                                    | 11.000 mg/l/4h  |
| ATE CLP (dust, mist)                                | 1.500 mg/l/4h   |
| NAT (N'-NITROSOANATABINE) UNLABELED                 | O (CP 97%) (71267-22-6)   |
| ATE CLP (oral)                                      | 100.000 mg/kg body weight   |
| Skin corrosion/irritation                           | : Not classified  |
|   | Skin – Rabbit - No skin irritation  |
| Serious eye damage/irritation                       | : Causes serious eye irritation.  |
|   | Rabbit – Eyes - Irritating to eyes  |
| Respiratory or skin sensitization                   | : Did not cause sensitization on laboratory animals. Buehler Test - guinea pig - Did not cause sensitization on laboratory animals. (OECD 406 method)   |
| Germ cell mutagenicity                              | : Not classified  |
| Carcinogenicity                                     | : No evidence of carcinogenicity in animal studies (when indicated).  |
| Reproductive toxicity                               | : Animal testing did not show any effects on fertility.   |
| Specific target organ toxicity – single exposure    | : Not classified  |
| Specific target organ textony single exposure       | The substance or mixture is not classified as specific target organ toxicant.   |
|   |   |
| Specific target organ toxicity – repeated exposure  | : Not classified  |
| exposure  | The substance or mixture is not classified as specific target organ toxicant.   |
| 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. |
| Symptoms/effects after inhalation                   | : Harmful if inhaled. Danger of serious damage to health by prolonged exposure through inhalation.  |
| Symptoms/effects after skin contact                 | : Harmful in contact with skin. Repeated exposure to this material can result in absorption through skin causing significant health hazard.   |
| Symptoms/effects after eye contact                  | : Causes serious eye damage.  |
|   |   |

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: Harmful if swallowed.

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# **SECTION 12: Ecological information**

#### **Toxicity**

: The product is not considered harmful to aquatic organisms or to cause long-term adverse Ecology - general effects in the environment.

| NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) 2 MG/ML IN ACETONITRILE |  |  |
|--|--|--|
| LC50 fish 1 1640 mg/l Pimephales promelas (fathead minnow) - 96h     |  |  |
| EC50 Daphnia 1   | 3600 mg/l Daphnia magna (Water flea) - 48h           |  |
| NOEC (chronic)   | hronic) 640 mg/l Daphnia magna (Water flea) - 14d    |  |
| ACETONITRILE UNLABELED (75-05-8)                                     |  |  |
| LC50 fish 1  | 1640 mg/l Pimephales promelas (fathead minnow) - 96h |  |
| EC50 Daphnia 1   | 3600 mg/l Daphnia magna (Water flea) - 48h           |  |
| NOEC (chronic)   | 640 mg/l Daphnia magna (Water flea) - 14d            |  |

#### 12.2. Persistence and degradability

| NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) 2 MG/ML IN ACETONITRILE            |                  |                                  |
|---|------------------|----------------------------------|
| Persistence and degradability Biodegradability Result: - Readily biodegradable. |                  |                                  |
| ACETONITRILE UNLABELED (75-05-8)  |                  |                                  |
| Persistence and degradability   | Biodegradability | Result: - Readily biodegradable. |

#### Bioaccumulative potential

| 12101 Bloddoumatatro potential   |  |  |
|--|--|--|
| NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) 2 MG/ML IN ACETONITRILE           |  |  |
| Log Pow  | -0.34  |  |
| Bioaccumulative potential  | No bioaccumulation is to be expected (log Pow <= 4). |  |
| ACETONITRILE UNLABELED (75-05-8)   |  |  |
| Log Pow  | -0.34  |  |
| Bioaccumulative potential No bioaccumulation is to be expected (log Pow <= 4). |  |  |
| NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) (71267-22-6)                      |  |  |
| Log Pow  | 1.234  |  |

#### Mobility in soil 12.4.

Log Pow

| NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) 2 MG/ML IN ACETONITRILE |                                 |  |
|--|---------------------------------|--|
| Ecology - soil Not expected to absorb on soil.                       |                                 |  |
| ACETONITRILE UNLABELED (75-05-8)                                     |                                 |  |
| Ecology - soil   | Not expected to absorb on soil. |  |

#### Results of PBT and vPvB assessment

No additional information available

# Other adverse effects

Other adverse effects : Avoid release to the environment. Disposal must be done according to official regulations. May cause long lasting harmful effects to aquatic life.

#### **SECTION 13: Disposal considerations**

#### 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.

Additional information : Handle empty containers with care because residual vapors are flammable.

Ecology - waste materials : Dispose of as unused product.

# **SECTION 14: Transport information**

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

#### **UN** number 14.1.

UN-No.(DOT) : 1648 DOT NA no. UN1648

### **UN** proper shipping name

Proper Shipping Name (DOT) : Acetonitrile

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

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Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : II - Medium Danger

DOT Special Provisions (49 CFR 172.102)

: IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). 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.

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) : 150
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202
DOT Packaging Bulk (49 CFR 173.xxx) : 242

#### 14.3. Additional information

Other information : No supplementary information available.

#### **Overland transport**

Packing group (ADR) : II

Class (ADR) : 3 - Flammable liquid

Hazard identification number (Kemler No.) : 33 Classification code (ADR) : F1

Hazard labels (ADR) : 3 - Flammable liquids



Orange plates :



Tunnel restriction code (ADR) : D/E
Limited quantities (ADR) 11
EAC : •2YE
Excepted quantities (ADR) : E2

#### Transport by sea

DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this

section is exceeded.

DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"

MFAG-No : 127

### Air transport

DOT Quantity Limitations Passenger aircraft/rail : 5L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 60 L

CFR 175.75)

Civil Aeronautics Law : Flammable liquids

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#### 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

| NAT (N'-NITROSOANATABINE) UNLABELE                 | ED (CP 97%) 2 MG/ML IN ACETONITRILE   |  |
|--|---|--|
| SARA Section 302 Threshold Planning Quantity (TPQ) | Not subject to reporting requirements of United States SARA Section 302   |  |
| SARA Section 311/312 Hazard Classes                | Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard                                       |  |
| SARA Section 313 - Emission Reporting              | Subject to reporting requirements of United States SARA Section 313   |  |
| ACETONITRILE UNLABELED (75-05-8)                   |   |  |
| SARA Section 302 Threshold Planning Quantity (TPQ) | Not subject to reporting requirements of United States SARA Section 302   |  |
| SARA Section 311/312 Hazard Classes                | Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard                                       |  |
| SARA Section 313 - Emission Reporting              | Subject to reporting requirements of United States SARA Section 313   |  |
| NAT (N'-NITROSOANATABINE) UNLABELE                 | :D (CP 97%) (71267-22-6)  |  |
| 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   |  |
| SARA Section 313 - Emission Reporting              | Not subject to reporting requirements of the United States SARA Section 313                                       |  |

### 15.2. International regulations

### CANADA

# NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) 2 MG/ML IN ACETONITRILE

Listed on the Canadian DSL (Domestic Substances List)

#### 15.2.1. National regulations

No additional information available

# 15.3. US State regulations

| NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) 2 MG/ML IN ACETONITRILE() |  |  |   |                                  |  |
|--|--|--|---|----------------------------------|--|
| U.S California - Proposition 65 - Carcinogens List                     |  | No   |   |                                  |  |
| U.S California - Proposition Toxicity                                  | n 65 - Developmental   | No   |   |                                  |  |
| U.S California - Proposition Toxicity - Female                         | n 65 - Reproductive  | No   |   |                                  |  |
| U.S California - Proposition Toxicity - Male                           | n 65 - Reproductive  | No   |   |                                  |  |
| State or local regulations   |  | RTK - U.S Massachusetts - Right To Know List<br>RTK - U.S New Jersey - Right to Know Hazardous Substance List<br>RTK - U.S Pennsylvania - RTK (Right to Know) List |   |                                  |  |
| ACETONITRILE UNLABELE  | ED (75-05-8)   |  |   |                                  |  |
| U.S California -<br>Proposition 65 -<br>Carcinogens List               | U.S California -<br>Proposition 65 -<br>Developmental Toxicity | U.S California -<br>Proposition 65 -<br>Reproductive Toxicity -<br>Female  | U.S California -<br>Proposition 65 -<br>Reproductive Toxicity -<br>Male | No significant risk level (NSRL) |  |
| No   | No   | No   | No  |                                  |  |
| NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) (71267-22-6)              |  |  |   |                                  |  |
| U.S California -<br>Proposition 65 -<br>Carcinogens List               | U.S California -<br>Proposition 65 -<br>Developmental Toxicity | U.S California -<br>Proposition 65 -<br>Reproductive Toxicity -<br>Female  | U.S California -<br>Proposition 65 -<br>Reproductive Toxicity -<br>Male | No significant risk level (NSRL) |  |

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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

| NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) (71267-22-6) |    |    |    |  |
|---|----|----|----|--|
| No  | No | No | No |  |

#### **ACETONITRILE UNLABELED (75-05-8)**

#### State or local regulations

- RTK U.S. Massachusetts Right To Know List
- RTK U.S. New Jersey Right to Know Hazardous Substance List
- RTK U.S. Pennsylvania RTK (Right to Know) List

# NAT (N'-NITROSOANATABINE) UNLABELED (CP 97%) (71267-22-6)

#### State or local regulations

- RTK U.S. Pennsylvania RTK (Right to Know) List
- RTK 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:

| 10% 01 11 , 11 and 2011 pinde001    |  |
|-------------------------------------|--|
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral) Category 3                             |
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal) Category 4                           |
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhalation) Category 4                       |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4             |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral) Category 4                             |
| Eye Irrit. 2                        | Serious eye damage/eye irritation Category 2                 |
| Flam. Liq. 2                        | Flammable liquids Category 2                                 |
| H225                                | Highly flammable liquid and vapor                            |
| H301                                | Toxic if swallowed   |
| H302                                | Harmful if swallowed   |
| H312                                | Harmful in contact with skin                                 |
| H319                                | Causes serious eye irritation                                |
| H332                                | Harmful if inhaled   |
| R11                                 | Highly flammable   |
| R20/21/22                           | Harmful by inhalation, in contact with skin and if swallowed |
| R25                                 | Toxic if swallowed   |
| R36                                 | Irritating to eyes   |
| F                                   | Highly flammable   |
| Т                                   | Toxic  |
| Xi                                  | Irritant   |
| Xn                                  | Harmful  |
|                                     |  |

NFPA health hazard

: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

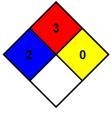
NFPA fire hazard

: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient

temperature conditions.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



#### **Hazard Rating**

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 3 Serious Hazard Physical : 0 Minimal Hazard

#### CIL 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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