



**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date: 09.12.2010

Revision: 09.12.2010

**1 Identification of the substance/preparation and of the company/undertaking**

Product name: **1-TETRADECYLAMINE**  
Application of the substance/the preparation: Chemical intermediate; chemical speciality  
Manufacturer/Supplier: VUP, a.s.  
Nábrežná 4  
971 04 Prievidza, Slovakia  
Tel: 00421-46-5430841  
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**2 Hazards identification****Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2  
Eye Irrit. 2  
STOT Single Exp. 3  
Aquatic Acute 1

**Label elements**

**Pictograms:**  

**Signal word:** Warning

**Hazard statements:**

H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.  
H400: Very toxic to aquatic life.

**Precautionary statements:**

P261: Avoid breathing dust  
P273: Avoid release to the environment.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Classification and labelling according to Directive 67/548/EEC****Hazard description:**

Xi Irritant

**Risk Phrases:**

R 36/37/38 Irritating to eyes, respiratory system and skin.

**Safety Phrases:**

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 36/37 Wear suitable protective clothing and gloves.

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Product name: **1-TETRADECYLAMINE**

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### 3 Composition/information on ingredients

Synonyms: 1-Aminotetradecane; Myristylamine  
Molecular Formula: C<sub>14</sub>H<sub>31</sub>N  
Molecular Weight: 213.41 g/mol

Name	CAS	EINECS	Classification	Concentration
1-Tetradecylamine	2016-42-4	217-950-9	Skin Irrit. 2; Eye Irrit. 2; STOT Single Exp. 3; Aquatic Acute 1; H315; H319; H335; H400; Xi, R36/37/38	98

For the full text of the H-Statements mentioned in this Section, see Section 2.

### 4 First aid measures

**General advice:**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled:**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed:**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 5 Fire-fighting measures

**Suitable extinguishing media:**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### 6 Accidental release measures

**Personal precautions:**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**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.

**Methods and materials for containment and cleaning up:**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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## 7 Handling and storage

### **Precautions for safe handling:**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.  
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### **Conditions for safe storage:**

Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

## 8 Exposure controls/personal protection

Contains no substances with occupational exposure limit values.

### **Personal protective equipment**

#### **Respiratory protection:**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection:**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### **Eye protection:**

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Skin and body protection:**

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Hygiene measures:**

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

## 9 Physical and chemical properties

### **Appearance**

Form:	Solid
Color:	White - pink
Odor:	Fish-like

### **Safety data**

pH:	Not available.
Vapor Pressure:	0.001 mm Hg at 25 °C
Viscosity:	Not available.
Boiling Point:	291 °C at 760.00 mm Hg
Freezing/Melting Point:	37 - 42 °C
Autoignition Temperature:	Not available.
Flash Point:	> 110 °C
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	Not available.
Solubility in water:	Insoluble
in other solvents:	Soluble in alcohol and ether
Specific Gravity/Density:	0.993 g/cm <sup>3</sup>

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### 10 Stability and reactivity

**Chemical stability:**

Stable under recommended storage conditions.

**Conditions to avoid:**

No data available.

**Materials to avoid:**

Acids, Acid chlorides, Acid anhydrides, Oxidizing agents.

**Hazardous decomposition products:**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO<sub>x</sub>).

### 11 Toxicological information

**Acute toxicity:** no data available

**Skin corrosion/irritation:** no data available

**Serious eye damage/eye irritation:** no data available

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure:**

**Inhalation:** May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure:** no data available

**Aspiration hazard:** no data available

**Potential health effects**

**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.

**Ingestion:** May be harmful if swallowed.

**Skin:** May be harmful if absorbed through skin. Causes skin irritation.

**Eyes:** Causes serious eye irritation.

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Additional Information**

RTECS: XB7970000

### 12 Ecological information

**Toxicity**

Toxicity to daphnia and other aquatic invertebrates: EC<sub>50</sub> - Daphnia magna (Water flea) - 0.015 mg/l - 48 h

**Persistence and degradability:** no data available

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**Other adverse effects:** Very toxic to aquatic life.

### 13 Disposal considerations

Dispose of in a manner consistent with federal, state, and local regulations.

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### 14 Transport information

#### Land transport RID/ADR

UN Number: 3263  
Hazard Class: 8  
Packaging group: III  
Shipping Name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.

#### Maritime transport IMDG

UN number: 3263  
Hazard class: 8  
Packaging group: III  
Shipping name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.

#### Air transport ICAO-TI and IATA-DGR

UN number: 3263  
Hazard class: 8  
Packaging group: III  
Shipping name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.

### 15 Regulatory information

This safety datasheet complies with the requirements of Regulation No 1907/2006/EC, Regulation No 1272/2008/EC and Regulation No 453/2010.

### 16 Other information

This Safety Data Sheet is not a Product Specification. It is based on our present knowledge and experience and it is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.

#### Abbreviations and acronyms:

CAS	Chemical Abstracts Service registry number
EC	European Commission number (for European Inventory of Existing Chemical Substances)
Skin Irrit.	Skin Irritation
Eye Irrit.	Eye Irritation
STOT SE	Specific target organ systemic toxicity following single exposure
Aquatic Acute	Acute aquatic toxicity
RTECS	Registry of Toxic Effects of Chemical Substances
EC <sub>50</sub>	Half maximal effective concentration
ADR	Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID	Règlement internationale concernent le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG	International Maritime Code for Dangerous Goods
ICAO	International Civil Aviation Organization
ICAO-TI	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
IATA	International Air Transport Association
IATA-DGR	Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

#### Text of H-code(s) and R-phrase(s) mentioned in Section 3

Skin Irrit. 2;	Eye Irrit. 2;
STOT Single Exp. 3;	Aquatic Acute 1
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
Xi	Irritant
R 36/37/38	Irritating to eyes, respiratory system and skin.