



MATERIAL SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

1826400






Reviewed on: 04/04/2013

Printing date: 04/04/2013

01 Identification of the substance/mixture and of the company/undertaking

- .
- Trade name:
AMMONYX M
- * • Description
Mixture
- Article number:
PQ380
- Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation
Surfactant (cosmetic)
Detergents
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
.
STEPAN EUROPE
B.P. 127
F 38343 VOREPPE CEDEX France
tél. (33) 4 76 50 51 00 fax. (33) 4 76 50 51 35
- Further information obtainable from:
sds.contact@stepaneurope.com
- * • Emergency telephone number:
8:00 - 17:00 : STEPAN EUROPE, Tel :+33(0)476 505 100
Nearest anti-poison centre or F.WIDAL hospital's antipoison centre
75475 PARIS CEDEX 10, tel : 33 / (0) 1 40 05 48 48.

02 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
-  GHS05
- * Eye Dam. 1 - H318 Causes serious eye damage.
-  GHS07
- * Skin Irrit. 2 - H315 Causes skin irritation.
-  GHS09
- * Aquatic Acute 1 - H400 Very toxic to aquatic life.
- * Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
-   N Dangerous for the environment
Xn Harmful
- * R 22
- * Harmful if swallowed.
- * R 38
- * Irritating to skin.
- * R 41
- * Risk of serious damage to eyes.
- * R 50
- * Very toxic to aquatic organisms.

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- * Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- * Label elements
- * Labelling according to Regulation (EC) No 1272/2008
- *  
GHS05 GHS09
- * Signal word
Danger
- * Hazard-determining components of labelling:
N,N-dimethyltetradecylamine N-oxide
- * Hazard statements
- * H318 Causes serious eye damage.
- * H400 Very toxic to aquatic life.
- * H411 Toxic to aquatic life with long lasting effects.
- * H315 Causes skin irritation.
- * Precautionary statements
- * P273 Avoid release to the environment.
- * P280 Wear protective gloves/protective clothing/eye protection/face protection.
- * P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- * P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- * P310 Immediately call a POISON CENTER or doctor/physician.
- * P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.
- * **Other hazards**
- * Results of PBT and vPvB assessment
- * PBT:
Not applicable.
- * vPvB:
Not applicable.

03 Composition/information on ingredients

- * **Chemical characterization:**
- * Description:
Mixture of substances listed below with nonhazardous additions.
- * Dangerous components:
- | CAS N° | Description/Index R-phrases | % |
|-----------|---|--------------|
| 3332-27-2 | N,N-dimethyltetradecylamine N-oxide | 20,00- 40,00 |
| | EC number: 222-059-3 | |
| | Record number 01-2119949262-37-0000 | |
| |  N  Xn | |
| | 22-38-41-50 | |
| |  Eye Dam. 1 - H318;  Acute Tox. 4 | |
| | - H302, Skin Irrit. 2 - H315;  Aquatic | |
| | Acute 1 - H400, Aquatic Chronic 2 - H411 | |
- * Additional information:
For the wording of the listed risk phrases refer to section 16.

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04 First aid measures

- *Description of first aid measures*
- **General information:**
 - * Immediately remove any clothing soiled by the product.
- **After inhalation:**
 - Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
 - Immediately rinse with water.
 - If skin irritation continues, consult a doctor.
- **After eye contact:**
 - Rinse opened eye for several minutes under running water.
 - Call a doctor immediately.
- **After swallowing:**
 - * Rinse mouth carefully.
 - * Do not induce vomiting; call for medical help immediately.

05 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
 - The product is not flammable.
 - Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:**
 - None.
- **Special hazards arising from the substance or mixture**
 - Formation of toxic gases is possible during heating or in case of fire.
 - In case of fire, the following can be released:
 - Nitrogen oxides (NO_x)
 - Hydrogen cyanide (HCN)
- **Advice for firefighters**
- **Protective equipment:**
 - * Wear self-contained respiratory protective device.

06 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 - Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
 - Do not allow product to reach sewage system or any water course.
 - Inform respective authorities in case of seepage into water course or sewage system.
 - Prevent from spreading (e.g. by damming-in or oil barriers).
- **Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose contaminated material as waste according to item 13.

07 Handling and storage

- **Handling:**
- **Precautions for safe handling**
 - * Ensure good ventilation/exhaustion at the workplace.
 - Avoid contact with the eyes and skin.
 - Wash hands before each break and after finishing work.
- **Information about fire - and explosion protection:**
 - No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 - Prevent any seepage into the ground.
- **Information about storage in one common storage facility:**

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- * Store in cool, dry place in tightly closed receptacles.
- * *Further information about storage conditions:*
- * None.
- * *Specific end use(s)*
- * No further relevant information available.

08 Exposure controls/personal protection

- * *Additional information about design of technical facilities:*
No further data; see item 7.
- * *Control parameters*
N,N-dimethyltetradecylamine N-oxide
- * **DNEL WORKERS**
Long term exposure - systemic effects, Inhalation : DNEL = 6,2 mg/m³
Long term exposure - systemic effects, Dermal : DNEL = 11 mg/Kg/day
- * **DNEL GENERAL POPULATION**
Long term exposure - systemic effects, Inhalation : DNEL = 1,53 mg/m³
Long term exposure - systemic effects, Dermal : DNEL = 5,5 mg/Kg/day
Long term exposure - systemic effects, Oral DNEL = 0,44 mg/Kg/day
- * **PNEC WATER**
PNEC (freshwater): 0,0335 mg/L
PNEC (marine water) : 0,00335 mg/L
PNEC (intermittent release) : 0,0335 mg/L
- * **PNEC SEDIMENT**
PNEC (freshwater) : 5,24 mg/Kg
PNEC (marine water) : 0,524 mg/Kg
- * **PNEC SOIL**
PNEC (soil) : 1,02 mg/Kg
- * **PNEC SEWAGE TREATMENT PLANT**
PNEC (STP) : 24 mg/Kg
- * ***Ingredients with limit values where monitoring at the workplace is recommended :***
The product does not contain any relevant quantities of materials with critical values where monitoring at the workplace is recommended.
- * *Additional information:*
The lists valid during the making were used as basis.
- * *Exposure controls*
- * ***Personal protective equipment:***
- * *General protective and hygienic measures:*
The usual precautionary measures are to be adhered to when handling chemicals.
Immediately remove all soiled and contaminated clothing
Avoid contact with the eyes and skin.
Safety shower at proximity.
Eye wash station at proximity.
- * *Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.*
- * *Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Impervious gloves, EN374, cat 2*
- * *Eye protection: Tightly sealed goggles Face protection*
- * *Body protection: Protective work clothing Boots*

09 Physical and chemical properties**Information on basic physical and chemical properties****General Information****Appearance:****Form:** Fluid**Colour:** Colourless

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* Odour:	Light
* Odour threshold:	Not determined.
Change in condition	
* Melting point/Melting range:	< 5,0 °C
* Boiling point/Boiling range:	> 100,0 °C
* Flash point:	Not applicable.
* Self-igniting:	Not determined.
* Danger of explosion:	Not determined.
* Density:	0,9600 - 0,9700 g/cm ³ (20°C)
* Solubility in / Miscibility with water:	Fully miscible.
* pH-value:	at 20,00 °C 6,5 - 8,5 (50,000 g/l eau) g/l water)
* Partition coefficient (n-octanol/water):	Log Kow < 3
* Viscosity:	
* Dynamic:	Not determined.

10 Stability and reactivity

- *Reactivity*
- *Chemical stability*
- **Thermal decomposition / conditions to be avoided:**
To avoid thermal decomposition do not overheat.
- *Possibility of hazardous reactions*
No dangerous reactions known.
- *Conditions to avoid*
No further relevant information available.
- **Incompatible materials:**
No further relevant information available.
- **Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides (NOx)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- *LD/LC50 values relevant for classification:*
* **3332-27-2 N,N-dimethyltetradecylamine N-oxide**
* Oral, DL50: 1495 mg/kg (rat)
- *Irritation / Corrosivity*
• on the skin:
Irritant to skin and mucous membranes.
- on the eye:
Strong irritant with the danger of severe eye injury.
- *Sensitization:*
Not skin sensitizer (data available).
- *Repeated dose toxicity*
data available
- *CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)*
- *Mutagenicity*
Not classified (data available on the substance).
- *Reproductive toxicity*
Not classified (data available on the substance).

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12 Ecological information

- *Toxicity*
- *Aquatic toxicity:*
- * **3332-27-2** *N,N-dimethyltetradecylamine N-oxide*
- * fish, CL50 : 2,4 mg/l
- * alga, CE50 : 0,19 mg/l
- * daphnia, CE50 : 2,64 mg/l
- * alga, NOEC : 0,067 mg/l
- **Persistence and degradability**
- *Other information:*
- * The product is readily biodegradable.
- **Additional ecological information:**
- *General notes:*
- * The declaration of the ecology refers to the active agent.
- Do not allow product to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- *PBT:*
- * Not applicable.
- *vPvB:*
- * Not applicable.
- **Other adverse effects**
- * No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- *Recommendation*
- Must be specially treated adhering to official regulations.
- Contact manufacturer for recycling information.
- Do not empty into drains and avoid release to the environment. This product must be disposed in a certificated hazardous or special waste collection point.
- **Uncleaned packaging:**
- *Recommendation:*
- Disposal must be made according to official regulations.
- Packaging may be reused or recycled after cleaning.
- If recycling is not possible, dispose according to the local regulations.
- *Recommended cleansing agents:*
- Water, if necessary together with cleansing agents.

*

14 Transport information

- **UN-Number**
- * **ADR** UN3082
- * **IMDG** UN3082
- * **IATA** UN3082
- **UN proper shipping name**
- * **ADR** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N,N- DIMETHYLTETRADECYLAMINE N-OXIDE)
- * **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N,N- DIMETHYLTETRADECYLAMINE N-OXIDE)
- * **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N,N- DIMETHYLTETRADECYLAMINE N-OXIDE)
- **Transport hazard class(es)**
- * **ADR**
- * **Class** 9 (M6) Miscellaneous dangerous substances and articles.

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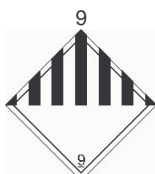
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* **Label****IMDG*** **Class**

9 Miscellaneous dangerous substances and articles.

* **Label****IATA*** **Class**

9 Miscellaneous dangerous substances and articles.

* **Label**• **Packing group*** **ADR**

III

* **IMDG**

III

* **IATA**

III

• **Environmental hazards:*** **Marine pollutant:**

Yes

• **Special precautions for user**

* Warning: Miscellaneous dangerous substances and articles.

* **Danger code (Kemler):**

90

* **EMS Number:**

F-A,S-F

• **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

* Not applicable.

• **Transport/Additional information:**

* Not applicable.

* **Excepted quantities (EQ):**

E1

* **Limited quantities (LQ)**

5L

* **Transport category**

3

* **Tunnel restriction code**

E

• **UN "Model Regulation":**

* UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N,N-DIMETHYLTETRADECYLAMINE N-OXIDE), 9, III

15 Regulatory information• **Safety, health and environmental regulations/legislation specific for the substance or mixture**• **Labelling according to Regulation (EC) No 1272/2008**

* This safety data sheet is in compliance with the Regulation (EC) N° 1907/2006

• **Chemical safety assessment:**

* A Chemical Safety Assessment has been carried out.

* Extended safety data sheet in preparation.

• **Other data**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) N° 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

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Contact point : sds.contact@stepaneurope.com

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

R 22	Harmful if swallowed.
R 38	Irritating to skin.
R 41	Risk of serious damage to eyes.
R 50	Very toxic to aquatic organisms.

- **Department issuing MSDS:**

Regulatory Affairs Departement

Particular information

Alterations are indicated by asterisk *.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant 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

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent