

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

#### 1.1. Product identifier

|                |                    |
|----------------|--------------------|
| Product form   | : Substance        |
| Substance name | : Methylamine      |
| Chemical name  | : mono-methylamine |
| IUPAC name     | : methanamine      |
| EC Index-No.   | : 612-001-00-9     |
| EC-No.         | : 200-820-0        |
| CAS-No.        | : 74-89-5          |
| Product code   | : 90026613         |
| Formula        | : CH5N             |
| Product group  | : Raw material     |

#### 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<br>Industrial<br>Laboratory chemicals |
|----------------------------------|---|

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Scafell Organics  
Lingfield Way  
Yarm Road Business Park  
DL1 4XX Darlington - UK  
T +44 (0) 1949 823777  
[info@scafellorganics.com](mailto:info@scafellorganics.com) - [www.scafellorganics.com](http://www.scafellorganics.com)

#### 1.4. Emergency telephone number

Emergency number : +44 7590 545705

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

|   |                     |
|---|---------------------|
| Flammable gases, Category 1   | H220                |
| Gases under pressure  |                     |
| Acute toxicity (inhal.), Category 4   | H332                |
| Specific target organ toxicity — Single exposure, Category 3,<br>Respiratory tract irritation | H335                |
| Skin corrosion/irritation, Category 2   | H315                |
| Serious eye damage/eye irritation, Category 1   | H318                |
| Full text of H statements : see section 16  |                     |
| Specific concentration limits:  |                     |
| ( 0.5 =<C < 5)  | Eye Irrit. 2, H319  |
| (C >= 5)  | Skin Irrit. 2, H315 |
| (C >= 5)  | Eye Dam. 1, H318    |
| (C >= 5)  | STOT SE 3, H335     |

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

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS02

GHS04

GHS05

GHS07

Signal word (CLP)

: Danger

# Methylamine

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|                                |  |
|--------------------------------|--|
| Hazard statements (CLP)        | : H220 - Extremely flammable gas.<br>H332 - Harmful if inhaled.<br>H335 - May cause respiratory irritation.<br>H315 - Causes skin irritation.<br>H318 - Causes serious eye damage.   |
| Precautionary statements (CLP) | : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P261 - Avoid breathing fume, gas, vapours.<br>P280 - Wear protective clothing, eye protection, face protection.<br>P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER.<br>P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely. |

### 2.3. Other hazards

Other hazards not contributing to the classification : Contains gas under pressure; may explode if heated.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : Mono-constituent

| Name        | Product identifier   | %   |
|-------------|--|-----|
| Methylamine | (CAS-No.) 74-89-5<br>(EC-No.) 200-820-0<br>(EC Index-No.) 612-001-00-9 | 100 |

Full text of H-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If possible show this sheet, if not available show packaging or label. Immediately remove contaminated clothing or footwear. IF exposed or concerned: Get medical advice/attention.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. Immediately call a POISON CENTER/doctor.   |
| First-aid measures after skin contact | : Get medical advice/attention. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. Wash contaminated clothing before reuse. |
| 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/doctor.   |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.  |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.                  |
| Symptoms/effects after skin contact | : May produce skin irritation, blistering, ulcers, and deep scarring. Irritation (itching, redness, blistering). Burns.  |
| Symptoms/effects after eye contact  | : May cause severe chemical burns to skin and cornea. redness, itching, tears. Risk of serious damage to eyes. Blurred vision.   |
| Symptoms/effects after ingestion    | : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. |

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

Get immediate medical advice/attention. If possible show this sheet, if not available show packaging or label. SYMPTOMS MAY BE DELAYED.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

### 5.2. Special hazards arising from the substance or mixture

|  |  |
|--|--|
| Fire hazard                                      | : Extremely flammable gas.   |
| Explosion hazard                                 | : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. |
| Hazardous decomposition products in case of fire | : Carbon oxides (CO, CO <sub>2</sub> ). Nitrogen oxides.   |

# Methylamine

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Precautionary measures fire    | : Keep away from combustible materials. This product is not to be used under conditions of poor ventilation.   |
| Firefighting instructions      | : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.  |
| Other information              | : Warn all persons of toxic hazard.  |

## SECTION 6: Accidental release measures

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

General measures : Use special care to avoid static electric charges. Eliminate every possible source of ignition. No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk.

#### 6.1.1. For non-emergency personnel

|                                  |  |
|----------------------------------|--|
| Protective equipment             | : Wear recommended personal protective equipment.  |
| Emergency procedures             | : Evacuate unnecessary personnel. Do not breathe the gas. Do not breathe vapours. Only qualified personnel equipped with suitable protective equipment may intervene.  |
| Measures in case of dust release | : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. Ventilate area. Shelter from vapours by keeping upwind. |

#### 6.1.2. For emergency responders

|                      |  |
|----------------------|--|
| Protective equipment | : Use self-contained breathing apparatus. Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product.   |
| Emergency procedures | : Ventilate area. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Stop leak if safe to do so. All equipment used when handling the product must be grounded. |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Clean contaminated surfaces with an excess of water. Only qualified personnel equipped with suitable protective equipment may intervene.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                                   |   |
|-----------------------------------|---|
| Additional hazards when processed | : Handle empty containers with care because residual vapours are flammable. Flammable gas. Hazardous waste due to potential risk of explosion.  |
| Precautions for safe handling     | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Provide good ventilation in process area to prevent formation of vapour. Do not handle until all safety precautions have been read and understood. Avoid contact with skin, eyes and clothing. Avoid any leak and work in fully closed specially engineered systems. |
| Hygiene measures                  | : Wash hands, forearms and face thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.   |

### 7.2. Conditions for safe storage, including any incompatibilities

|                        |   |
|------------------------|---|
| Technical measures     | : Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical/ventilating/lighting equipment.                              |
| Storage conditions     | : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep in fireproof place. Keep container tightly closed. |
| Incompatible products  | : Acid anhydrides. Strong acids. Acid chlorides. Oxidising agents.  |
| Incompatible materials | : Sources of ignition. Direct sunlight. Heat sources.   |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Methylamine (74-89-5)

#### DNEL/DMEL (Workers)

|                                  |                          |
|----------------------------------|--------------------------|
| Acute - systemic effects, dermal | 580 µg/kg bodyweight/day |
|----------------------------------|--------------------------|

# Methylamine

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| <b>Methylamine (74-89-5)</b>  |                                     |                                |                |             |          |
|---|-------------------------------------|--------------------------------|----------------|-------------|----------|
| Acute - systemic effects, inhalation  | 27.7 mg/m <sup>3</sup>              |                                |                |             |          |
| Acute - local effects, inhalation   | 20.21 mg/m <sup>3</sup>             |                                |                |             |          |
| Long-term - systemic effects, dermal  | 417 µg/kg bodyweight/day            |                                |                |             |          |
| Long-term - systemic effects, inhalation  | 900 µg/m <sup>3</sup>               |                                |                |             |          |
| <b>PNEC (Water)</b>   |                                     |                                |                |             |          |
| PNEC aqua (freshwater)  | 16 µg/L                             |                                |                |             |          |
| PNEC aqua (marine water)  | 1.6 µg/L                            |                                |                |             |          |
| PNEC aqua (intermittent, freshwater)  | 16 µg/L                             |                                |                |             |          |
| <b>PNEC (Sediment)</b>  |                                     |                                |                |             |          |
| PNEC sediment (freshwater)  | 16 µg/kg dw                         |                                |                |             |          |
| <b>PNEC (Soil)</b>  |                                     |                                |                |             |          |
| PNEC soil   | 6.9 µg/kg dw                        |                                |                |             |          |
| <b>PNEC (STP)</b>   |                                     |                                |                |             |          |
| PNEC sewage treatment plant   | 126.3 µg/L                          |                                |                |             |          |
| <b>8.2. Exposure controls</b>   |                                     |                                |                |             |          |
| <b>Appropriate engineering controls:</b>  |                                     |                                |                |             |          |
| Both local exhaust and good general room ventilation must be provided not only to control exposure but also to prevent formation of flammable mixtures. Prevent build-up of electrostatic charges (e.g. by grounding). Use spark-/explosionproof appliances and lighting system. Handle in accordance with good industrial hygiene and safety procedures. |                                     |                                |                |             |          |
| <b>Personal protective equipment:</b>   |                                     |                                |                |             |          |
| Avoid all unnecessary exposure. Avoid inhalation of vapours. Wear recommended personal protective equipment.  |                                     |                                |                |             |          |
| <b>Materials for protective clothing:</b>   |                                     |                                |                |             |          |
| Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product. Wear fire/flammable resistant/retardant clothing.  |                                     |                                |                |             |          |
| <b>Hand protection:</b>   |                                     |                                |                |             |          |
| Always wash hands after handling the product. The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374. Solvent-resistant gloves   |                                     |                                |                |             |          |
| Type  | Material                            | Permeation                     | Thickness (mm) | Penetration | Standard |
|   | Butyl rubber, Fluoroelastomer (FKM) | 6 (> 480 minutes)              | 0.4mm Minimum  |             | EN 374   |
| <b>Eye protection:</b>  |                                     |                                |                |             |          |
| Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Use eye protection according to EN 166, designed to protect against liquid splashes. Chemical goggles or face shield  |                                     |                                |                |             |          |
| Type  | Use                                 | Characteristics                | Standard       |             |          |
| Face shield   |                                     |                                | EN 166         |             |          |
| Safety goggles  |                                     | tightly fitting safety goggles | EN 166         |             |          |
| <b>Skin and body protection:</b>  |                                     |                                |                |             |          |
| Emergency safety showers should be available in the immediate vicinity of any potential exposure. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash all protective clothing after use  |                                     |                                |                |             |          |
| Type  | Standard                            |                                |                |             |          |
| Protective clothing (with elasticated cuffs and closed neck), PVC apron covering the tops of the boots  | EN 14605                            |                                |                |             |          |
| Safety shoes  | EN ISO 20345                        |                                |                |             |          |
| <b>Respiratory protection:</b>  |                                     |                                |                |             |          |
| Keep self contained breathing apparatus readily available for emergency use. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended  |                                     |                                |                |             |          |

# Methylamine

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Device   | Filter type      | Condition                         | Standard         |
|--|------------------|-----------------------------------|------------------|
| Self-contained breathing apparatus (SCBA)                            | Filter K (green) | Vapour protection, Gas protection | EN 133, EN 136   |
| Full face mask, Respiratory protective device with a particle filter | ABEK             | Gas protection, Vapour protection | EN 14387, EN 136 |

### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |                               |
|--|-------------------------------|
| Physical state                             | : Gas                         |
| Colour                                     | : Colourless.                 |
| Odour                                      | : characteristic.             |
| Odour threshold                            | : No data available           |
| pH   | : No data available           |
| Relative evaporation rate (butylacetate=1) | : No data available           |
| Melting point                              | : -93 °C Lit                  |
| Freezing point                             | : No data available           |
| Boiling point                              | : -6.7 - -6.3 °C Lit          |
| Flash point                                | : < -29.99 °C Closed Cup      |
| Auto-ignition temperature                  | : 430 °C Lit                  |
| Decomposition temperature                  | : No data available           |
| Flammability (solid, gas)                  | : Extremely flammable gas.    |
| Vapour pressure                            | : No data available           |
| Relative vapour density at 20 °C           | : No data available           |
| Relative density                           | : No data available           |
| Density                                    | : 0.7 g/cm <sup>3</sup> @20.C |
| Solubility                                 | : No data available           |
| Log Pow                                    | : 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                           | : No data available           |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Extremely flammable gas. Contains gas under pressure; may explode if heated.

### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

Strong acids. Acid anhydrides. Acid chlorides. Oxidising agents.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                                   |
|-----------------------------|-----------------------------------|
| Acute toxicity (oral)       | : Not classified                  |
| Acute toxicity (dermal)     | : Not classified                  |
| Acute toxicity (inhalation) | : Inhalation: Harmful if inhaled. |

### Methylamine (74-89-5)

|               |                      |
|---------------|----------------------|
| LD50 oral rat | 698 mg/kg bodyweight |
|---------------|----------------------|

# Methylamine

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|   |   |
|---|---|
| LC50 inhalation rat (ppm)                           | 3555 ppm/4h   |
| Skin corrosion/irritation                           | : Causes skin irritation.   |
| Serious eye damage/irritation                       | : Causes serious eye damage.  |
| Respiratory or skin sensitisation                   | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| Germ cell mutagenicity                              | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| Carcinogenicity                                     | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| Reproductive toxicity                               | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| STOT-single exposure                                | : May cause respiratory irritation.                                 |
| STOT-repeated exposure                              | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| Aspiration hazard                                   | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                          |                  |
|--------------------------|------------------|
| Acute aquatic toxicity   | : Not classified |
| Chronic aquatic toxicity | : Not classified |

#### Methylamine (74-89-5)

|                |  |
|----------------|--|
| LC50 fish 1    | 16 mg/l 48h - Leuciscus Idus (Golden orfe) |
| EC50 Daphnia 1 | 163 mg/l 48h - Daphnia Magna (water flea)  |

### 12.2. Persistence and degradability

#### Methylamine (74-89-5)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

### 12.3. Bioaccumulative potential

#### Methylamine (74-89-5)

|                           |                                    |
|---------------------------|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |
|---------------------------|------------------------------------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### Methylamine (74-89-5)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

|                        |                                     |
|------------------------|-------------------------------------|
| Additional information | : Avoid release to the environment. |
|------------------------|-------------------------------------|

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |  |
|--|--|
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use. |
| Additional information                     | : Handle empty containers with care because residual vapours are flammable. Hazardous waste due to potential risk of explosion.          |
| Ecology - waste materials                  | : Avoid release to the environment.  |

## SECTION 14: Transport information






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

| ADR                    | IMDG | IATA | ADN  | RID  |
|------------------------|------|------|------|------|
| <b>14.1. UN number</b> |      |      |      |      |
| 1061                   | 1061 | 1061 | 1061 | 1061 |

# Methylamine

## Safety Data Sheet

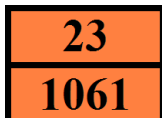
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| 14.2. UN proper shipping name   |   |   |   |   |
|---|---|---|---|---|
| METHYLAMINE, ANHYDROUS  | METHYLAMINE, ANHYDROUS  | Methylamine, anhydrous  | METHYLAMINE, ANHYDROUS  | METHYLAMINE, ANHYDROUS  |
| Transport document description  |   |   |   |   |
| UN 1061 METHYLAMINE, ANHYDROUS (Mono-Methylamine), 2.1, (B/D)                     | UN 1061 METHYLAMINE, ANHYDROUS (Mono-Methylamine), 2.1                            | UN 1061 Methylamine, anhydrous (Mono-Methylamine), 2.1                            | UN 1061 METHYLAMINE, ANHYDROUS (Mono-Methylamine), 2.1                              | UN 1061 METHYLAMINE, ANHYDROUS (Mono-Methylamine), 2.1                              |
| 14.3. Transport hazard class(es)  |   |   |   |   |
| 2.1   | 2.1   | 2.1   | 2.1   | 2.1   |
|  |  |  |  |  |
| 14.4. Packing group   |   |   |   |   |
| Not applicable  | Not applicable  | Not applicable  | Not applicable  | Not applicable  |
| 14.5. Environmental hazards   |   |   |   |   |
| Dangerous for the environment : No  | Dangerous for the environment : No<br>Marine pollutant : No                       | Dangerous for the environment : No  | Dangerous for the environment : No  | Dangerous for the environment : No  |
| No supplementary information available  |   |   |   |   |

### 14.6. Special precautions for user

#### Overland transport

|   |                   |
|---|-------------------|
| Classification code (ADR)   | : 2F              |
| Special provisions (ADR)  | : 662             |
| Limited quantities (ADR)  | : 0               |
| Excepted quantities (ADR)   | : E0              |
| Packing instructions (ADR)  | : P200            |
| Mixed packing provisions (ADR)  | : MP9             |
| Portable tank and bulk container instructions (ADR)                     | : (M), T50        |
| Tank code (ADR)   | : PxBN(M)         |
| Tank special provisions (ADR)   | : TA4, TT9        |
| Vehicle for tank carriage   | : FL              |
| Transport category (ADR)  | : 2               |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV9, CV10, CV36 |
| Special provisions for carriage - Operation (ADR)                       | : S2, S20         |
| Hazard identification number (Kemler No.)                               | : 23              |
| Orange plates   | :                 |



|                               |         |
|-------------------------------|---------|
| Tunnel restriction code (ADR) | : B/D   |
| EAC code                      | : 2PE   |
| APP code                      | : A(fg) |

#### Transport by sea

|                                    |   |
|------------------------------------|---|
| Limited quantities (IMDG)          | : 0   |
| Excepted quantities (IMDG)         | : E0  |
| Packing instructions (IMDG)        | : P200  |
| Tank instructions (IMDG)           | : T50   |
| EmS-No. (Fire)                     | : F-D   |
| EmS-No. (Spillage)                 | : S-U   |
| Stowage category (IMDG)            | : B   |
| Stowage and handling (IMDG)        | : SW2   |
| Properties and observations (IMDG) | : Liquefied, flammable gas with an ammonia-like odour. Heavier than air (1.09). |

# Methylamine

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### Air transport

|  |             |
|--|-------------|
| PCA Excepted quantities (IATA)               | : E0        |
| PCA Limited quantities (IATA)                | : Forbidden |
| PCA limited quantity max net quantity (IATA) | : Forbidden |
| PCA packing instructions (IATA)              | : Forbidden |
| PCA max net quantity (IATA)                  | : Forbidden |
| CAO packing instructions (IATA)              | : 200       |
| CAO max net quantity (IATA)                  | : 150kg     |
| Special provisions (IATA)                    | : A1        |
| ERG code (IATA)                              | : 10L       |

### Inland waterway transport

|                                   |             |
|-----------------------------------|-------------|
| Classification code (ADN)         | : 2F        |
| Special provisions (ADN)          | : 662       |
| Limited quantities (ADN)          | : 0         |
| Excepted quantities (ADN)         | : E0        |
| Equipment required (ADN)          | : PP, EX, A |
| Ventilation (ADN)                 | : VE01      |
| Number of blue cones/lights (ADN) | : 1         |

### Rail transport

|   |                             |
|---|-----------------------------|
| Classification code (RID)   | : 2F                        |
| Special provisions (RID)  | : 662                       |
| Limited quantities (RID)  | : 0                         |
| Excepted quantities (RID)   | : E0                        |
| Packing instructions (RID)  | : P200                      |
| Mixed packing provisions (RID)  | : MP9                       |
| Portable tank and bulk container instructions (RID)                     | : T50(M)                    |
| Special provisions for RID tanks (RID)                                  | : TU38, TE22, TA4, TT9, TM6 |
| Transport category (RID)  | : 2                         |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW9, CW10, CW36           |
| Colis express (express parcels) (RID)                                   | : CE3                       |
| Hazard identification number (RID)                                      | : 23                        |

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

Methylamine

Methylamine is not on the REACH Candidate List  
Methylamine is not on the REACH Annex XIV List  
Directive 2012/18/EU (SEVESO III)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.



# Methylamine

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4  |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1  |
| Flam. Gas 1                         | Flammable gases, Category 1  |
| Press. Gas                          | Gases under pressure   |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2  |
| STOT SE 3                           | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H220                                | Extremely flammable gas.   |
| H315                                | Causes skin irritation.  |
| H318                                | Causes serious eye damage.   |
| H332                                | Harmful if inhaled.  |
| H335                                | May cause respiratory irritation.  |

SDS EU (REACH Annex II)

*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.*