

Creation Date 24-Nov-2010

Revision Date 02-Feb-2024

Revision Number 9

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Description:** Methylamine, 40 wt% solution in water  
**Cat No. :** 126230000; 126230010; 126230025  
**Synonyms** Aqueous solution of methanamine; Monomethylamine in water.; Aminomethane in water

**Unique Formula Identifier (UFI)** P0QF-MTWH-NW0R-RXNR

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

**Recommended Use** Laboratory chemicals.  
**Sector of use** SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites  
**Product category** PC21 - Laboratory chemicals  
**Process categories** PROC15 - Use as a laboratory reagent  
**Environmental release category** ERC6a - Industrial use resulting in manufacture of another substance (use of intermediates)  
**Uses advised against** No Information available

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

#### Company

**UK entity/business name**  
 Fisher Scientific UK  
 Bishop Meadow Road,  
 Loughborough, Leicestershire LE11 5RG, United Kingdom

**EU entity/business name**  
 Thermo Fisher Scientific  
 Janssen Pharmaceuticaaan 3a, 2440 Geel, Belgium

**E-mail address** begel.sdsdesk@thermofisher.com

### 1.4. Emergency telephone number

For information **US** call: 001-800-227-6701 / **Europe** call: +32 14 57 52 11  
 Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99  
**CHEMTREC** Tel. No. **US**:001-800-424-9300 / **Europe**:001-703-527-3887

#### Poison Centre - Emergency information services

**Ireland** : National Poisons Information Centre (NPIC) -  
**01 809 2166** (8am-10pm, 7 days a week)  
**Malta** : +356 2395 2000  
**Cyprus** : +357 2240 5611

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

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## Physical hazards

Flammable liquids

Category 2 (H225)

## Health hazards

Acute oral toxicity

Category 4 (H302)

Acute Inhalation Toxicity - Vapors

Category 4 (H332)

Skin Corrosion/Irritation

Category 1 B (H314)

Serious Eye Damage/Eye Irritation

Category 1 (H318)

Specific target organ toxicity - (single exposure)

Category 3 (H335)

## Environmental hazards

Based on available data, the classification criteria are not met

Full text of Hazard Statements: see section 16

## 2.2. Label elements



Signal Word

Danger

## Hazard Statements

H225 - Highly flammable liquid and vapor

H314 - Causes severe skin burns and eye damage

H335 - May cause respiratory irritation

H302 + H332 - Harmful if swallowed or if inhaled

## Precautionary Statements

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P310 - Immediately call a POISON CENTER or doctor/physician

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

## 2.3. Other hazards

Toxicity to Soil Dwelling Organisms

Toxic to terrestrial vertebrates

This product does not contain any known or suspected endocrine disruptors

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

## 3.2. Mixtures

| Component | CAS No | EC No | Weight % | CLP Classification - According to |
|-----------|--------|-------|----------|-----------------------------------|
|-----------|--------|-------|----------|-----------------------------------|

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|                  |           |                   |       | GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567  |
|------------------|-----------|-------------------|-------|--|
| Methylamine ...% | 74-89-5   | EEC No. 200-820-0 | 40-43 | Flam. liq. 1 (H224)<br>Acute Tox. 4 (H302)<br>Acute Tox; 4 (H332)<br>Skin Corr. 1B (H314)<br>Eye Dam. 1 (H318)<br>STOT SE 3 (H335) |
| Water            | 7732-18-5 | 231-791-2         | 57-60 | -  |

| Component        | Specific concentration limits (SCL's) | M-Factor | Component notes |
|------------------|---------------------------------------|----------|-----------------|
| Methylamine ...% | STOT SE 3 :: C>=5%                    | -        | -               |

| Components  | Reach Registration Number |
|-------------|---------------------------|
| Methylamine | 01-2119475496-25          |

Full text of Hazard Statements: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

|   |  |
|---|--|
| <b>Eye Contact</b>                        | Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  |
| <b>Skin Contact</b>                       | Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.  |
| <b>Ingestion</b>                          | Do NOT induce vomiting. Call a physician or poison control center immediately.   |
| <b>Inhalation</b>                         | Remove to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required. If not breathing, give artificial respiration. |
| <b>Self-Protection of the First Aider</b> | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.   |

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

Causes burns by all exposure routes. Difficulty in breathing. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

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

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable Extinguishing Media

Water mist may be used to cool closed containers. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Chemical foam.

#### Extinguishing media which must not be used for safety reasons

No information available.

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

Flammable. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated. Vapors may form explosive mixtures with air.

### **Hazardous Combustion Products**

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Ammonia.

## **5.3. Advice for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Ensure adequate ventilation. Use personal protective equipment as required. Remove all sources of ignition. Take precautionary measures against static discharges. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area)

### **6.2. Environmental precautions**

See Section 12 for additional Ecological Information. Should not be released into the environment.

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

Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Wear self-contained breathing apparatus and protective suit. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Keep combustibles (wood, paper, oil, etc) away from spilled material.

### **6.4. Reference to other sections**

Refer to protective measures listed in Sections 8 and 13.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Wear personal protective equipment/face protection. Do not breathe mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Handle product only in closed system or provide appropriate exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Use only non-sparking tools. Use only in well-ventilated areas. Keep away from open flames, hot surfaces and sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Take precautionary measures against static discharges.

### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

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

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat, sparks and flame. Flammables area. Keep away from oxidizing agents. Keep containers tightly closed in a dry, cool and well-ventilated place. Corrosives area.

**Technical Rules for Hazardous Substances (TRGS) 510**  
**Storage Class (LGK) (Germany)**

Class 3

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## 7.3. Specific end use(s)

Use in laboratories

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure limits

List source(s): IRE - 2021 Code of Practice for the Chemical Agents Regulations, Schedule 1. Published by the Health and Safety Authority

| Component        | The United Kingdom | European Union | Ireland  |
|------------------|--------------------|----------------|--|
| Methylamine ...% |                    |                | TWA: 5 ppm 8 hr.<br>TWA: 6 mg/m <sup>3</sup> 8 hr.<br>STEL: 15 ppm 15 min<br>STEL: 19 mg/m <sup>3</sup> 15 min |

#### Biological limit values

#### Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

See table for values

| Component                             | Acute effects local (Dermal) | Acute effects systemic (Dermal) | Chronic effects local (Dermal) | Chronic effects systemic (Dermal) |
|---------------------------------------|------------------------------|---------------------------------|--------------------------------|-----------------------------------|
| Methylamine ...%<br>74-89-5 ( 40-43 ) |                              |                                 |                                | DNEL = 0.1mg/kg<br>bw/day         |

| Component                             | Acute effects local (Inhalation) | Acute effects systemic (Inhalation) | Chronic effects local (Inhalation) | Chronic effects systemic (Inhalation) |
|---------------------------------------|----------------------------------|-------------------------------------|------------------------------------|---------------------------------------|
| Methylamine ...%<br>74-89-5 ( 40-43 ) |                                  |                                     | DNEL = 0.427mg/m <sup>3</sup>      | DNEL = 0.72mg/m <sup>3</sup>          |

#### Predicted No Effect Concentration (PNEC)

See values below.

| Component                             | Fresh water      | Fresh water sediment                | Water Intermittent | Microorganisms in sewage treatment | Soil (Agriculture)           |
|---------------------------------------|------------------|-------------------------------------|--------------------|------------------------------------|------------------------------|
| Methylamine ...%<br>74-89-5 ( 40-43 ) | PNEC = 0.016mg/L | PNEC =<br>0.776mg/kg<br>sediment dw | PNEC = 0.016mg/L   | PNEC =<br>0.1263mg/L               | PNEC =<br>0.126mg/kg soil dw |

| Component                             | Marine water         | Marine water sediment                | Marine water intermittent | Food chain | Air |
|---------------------------------------|----------------------|--------------------------------------|---------------------------|------------|-----|
| Methylamine ...%<br>74-89-5 ( 40-43 ) | PNEC =<br>0.0016mg/L | PNEC =<br>0.0776mg/kg<br>sediment dw |                           |            |     |

### 8.2. Exposure controls

#### Engineering Measures

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting equipment.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source

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## Personal protective equipment

### Eye Protection

Goggles (European standard - EN 166)

### Hand Protection

Protective gloves

| Glove material | Breakthrough time                 | Glove thickness | EU standard | Glove comments        |
|----------------|-----------------------------------|-----------------|-------------|-----------------------|
| Neoprene       | See manufacturers recommendations | -               | EN 374      | (minimum requirement) |

### Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatibility, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

### Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly

### Large scale/emergency use

Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

**Recommended Filter type:** Inorganic gases and vapours filter Type B Grey Ammonia and organic ammonia derivatives filter Type K Green

### Small scale/Laboratory use

Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Recommended half mask:-** Valve filtering: EN405; or; Half mask: EN140; plus filter, EN 141

When RPE is used a face piece Fit Test should be conducted

### Environmental exposure controls

No information available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|   |                                       |  |
|---|---------------------------------------|--|
| Physical State                          | Liquid                                |  |
| Appearance                              | Colorless                             |  |
| Odor                                    | Fishy                                 |  |
| Odor Threshold                          | No data available                     |  |
| Melting Point/Range                     | -38 °C / -36.4 °F                     |  |
| Softening Point                         | No data available                     |  |
| Boiling Point/Range                     | 48 °C / 118.4 °F                      | @ 760 mmHg                               |
| Flammability (liquid)                   | Highly flammable                      | On basis of test data                    |
| Flammability (solid,gas)                | Not applicable                        | Liquid                                   |
| Explosion Limits                        | <b>Lower</b> 4.9<br><b>Upper</b> 20.8 |  |
| Flash Point                             | -15 °C / 5 °F                         | <b>Method -</b> No information available |
| Autoignition Temperature                | 430 °C / 806 °F                       |  |
| Decomposition Temperature               | No data available                     |  |
| pH                                      | 14                                    |  |
| Viscosity                               | No data available                     |  |
| Water Solubility                        | Completely soluble                    |  |
| Solubility in other solvents            | No information available              |  |
| Partition Coefficient (n-octanol/water) |                                       |  |
| Component                               | <b>log Pow</b>                        |  |
| Methylamine ...%                        | -0.713                                |  |
| Vapor Pressure                          | No data available                     |  |
| Density / Specific Gravity              | 0.900                                 |  |

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|                          |                         |             |
|--------------------------|-------------------------|-------------|
| Bulk Density             | Not applicable          | Liquid      |
| Vapor Density            | No data available       | (Air = 1.0) |
| Particle characteristics | Not applicable (liquid) |             |

## 9.2. Other information

|                      |   |
|----------------------|---|
| Molecular Weight     | 31.05                                       |
| Explosive Properties | Vapors may form explosive mixtures with air |

## SECTION 10: STABILITY AND REACTIVITY

|                  |  |
|------------------|--|
| 10.1. Reactivity | None known, based on information available |
|------------------|--|

|                          |                                 |
|--------------------------|---------------------------------|
| 10.2. Chemical stability | Stable under normal conditions. |
|--------------------------|---------------------------------|

### 10.3. Possibility of hazardous reactions

|                          |                           |
|--------------------------|---------------------------|
| Hazardous Polymerization | No information available. |
| Hazardous Reactions      | No information available. |

|                           |  |
|---------------------------|--|
| 10.4. Conditions to avoid | Keep away from open flames, hot surfaces and sources of ignition. Incompatible products. |
|---------------------------|--|

|                              |  |
|------------------------------|--|
| 10.5. Incompatible materials | Acids. Strong oxidizing agents. sodium hypochlorite. Acid anhydrides. Acid chlorides. Carbon dioxide (CO <sub>2</sub> ). |
|------------------------------|--|

|  |   |
|--|---|
| 10.6. Hazardous decomposition products | Nitrogen oxides (NO <sub>x</sub> ). Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Ammonia. |
|--|---|

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Product Information

|                     |  |
|---------------------|--|
| (a) acute toxicity; |  |
| Oral                | Category 4   |
| Dermal              | Based on available data, the classification criteria are not met |
| Inhalation          | Category 4   |

| Component        | LD50 Oral         | LD50 Dermal | LC50 Inhalation     |
|------------------|-------------------|-------------|---------------------|
| Methylamine ...% | 698 mg/kg ( Rat ) | -           | 2.9 mg/L/4h ( Rat ) |
| Water            | -                 | -           | -                   |

|                                |              |
|--------------------------------|--------------|
| (b) skin corrosion/irritation; | Category 1 B |
|--------------------------------|--------------|

|                                    |            |
|------------------------------------|------------|
| (c) serious eye damage/irritation; | Category 1 |
|------------------------------------|------------|

|  |  |
|--|--|
| (d) respiratory or skin sensitization; |  |
| Respiratory                            | Based on available data, the classification criteria are not met |
| Skin                                   | Based on available data, the classification criteria are not met |

|                             |  |
|-----------------------------|--|
| (e) germ cell mutagenicity; | Based on available data, the classification criteria are not met |
|-----------------------------|--|

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(f) carcinogenicity; Based on available data, the classification criteria are not met  
There are no known carcinogenic chemicals in this product

(g) reproductive toxicity; Based on available data, the classification criteria are not met

(h) STOT-single exposure; Category 3

Results / Target organs Respiratory system.

(i) STOT-repeated exposure; Based on available data, the classification criteria are not met

Target Organs None known.

(j) aspiration hazard; Based on available data, the classification criteria are not met

Symptoms / effects, both acute and delayed Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

## 11.2. Information on other hazards

Endocrine Disrupting Properties Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecotoxicity effects

| Component        | Freshwater Fish | Water Flea  | Freshwater Algae |
|------------------|-----------------|---|------------------|
| Methylamine ...% |                 | EC50: 147 - 180 mg/L, 48h<br>Static (Daphnia magna)<br>EC50: = 163 mg/L, 48h<br>(Daphnia magna) |                  |

### 12.2. Persistence and degradability

Persistence

Readily biodegradable  
Persistence is unlikely, based on information available.

### 12.3. Bioaccumulative potential

Bioaccumulation is unlikely

| Component        | log Pow | Bioconcentration factor (BCF) |
|------------------|---------|-------------------------------|
| Methylamine ...% | -0.713  | 2860 - 6910 dimensionless     |

### 12.4. Mobility in soil

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. Will likely be mobile in the environment due to its volatility. Disperses rapidly in air.

### 12.5. Results of PBT and vPvB assessment

No data available for assessment.



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## 12.6. Endocrine disrupting properties

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors

## 12.7. Other adverse effects

**Persistent Organic Pollutant** This product does not contain any known or suspected substance  
**Ozone Depletion Potential** This product does not contain any known or suspected substance

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste from Residues/Unused Products** Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

**Contaminated Packaging** Dispose of this container to hazardous or special waste collection point. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep product and empty container away from heat and sources of ignition.

**European Waste Catalogue (EWC)** According to the European Waste Catalog, Waste Codes are not product specific, but application specific.

**Other Information** Waste codes should be assigned by the user based on the application for which the product was used. Do not flush to sewer. Can be landfilled or incinerated, when in compliance with local regulations. Do not empty into drains. Large amounts will affect pH and harm aquatic organisms. Solutions with high pH-value must be neutralized before discharge.

## SECTION 14: TRANSPORT INFORMATION

### IMDG/IMO

**14.1. UN number** UN1235  
**14.2. UN proper shipping name** METHYLAMINE, AQUEOUS SOLUTION  
**14.3. Transport hazard class(es)** 3  
**Subsidiary Hazard Class** 8  
**14.4. Packing group** II

### ADR

**14.1. UN number** UN1235  
**14.2. UN proper shipping name** METHYLAMINE, AQUEOUS SOLUTION  
**14.3. Transport hazard class(es)** 3  
**Subsidiary Hazard Class** 8  
**14.4. Packing group** II

### IATA

**14.1. UN number** UN1235  
**14.2. UN proper shipping name** METHYLAMINE, AQUEOUS SOLUTION  
**14.3. Transport hazard class(es)** 3  
**Subsidiary Hazard Class** 8  
**14.4. Packing group** II

**14.5. Environmental hazards** No hazards identified

**14.6. Special precautions for user** No special precautions required.

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**14.7. Maritime transport in bulk according to IMO instruments** Not applicable, packaged goods

## SECTION 15: REGULATORY INFORMATION

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

#### International Inventories

Europe (EINECS/ELINCS/NLP), China (IECSC), Taiwan (TCSI), Korea (KECL), Japan (ENCS), Japan (ISHL), Canada (DSL/NDSL), Australia (AICS), New Zealand (NZIoC), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

| Component        | CAS No    | EINECS    | ELINCS | NLP | IECSC | TCSI | KECL     | ENCS | ISHL |
|------------------|-----------|-----------|--------|-----|-------|------|----------|------|------|
| Methylamine ...% | 74-89-5   | 200-820-0 | -      | -   | X     | X    | KE-23421 | X    | X    |
| Water            | 7732-18-5 | 231-791-2 | -      | -   | X     | X    | KE-35400 | X    | -    |

| Component        | CAS No    | TSCA | TSCA Inventory notification - Active-Inactive | DSL | NDSL | AICS | NZIoC | PICCS |
|------------------|-----------|------|---|-----|------|------|-------|-------|
| Methylamine ...% | 74-89-5   | X    | ACTIVE  | X   | -    | X    | X     | X     |
| Water            | 7732-18-5 | X    | ACTIVE  | X   | -    | X    | X     | X     |

**Legend:** X - Listed '-' - Not Listed

**KECL** - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

#### Authorisation/Restrictions according to EU REACH

| Component        | CAS No    | REACH (1907/2006) - Annex XIV - Substances Subject to Authorization | REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances | REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC) |
|------------------|-----------|---|---|---|
| Methylamine ...% | 74-89-5   | -   | Use restricted. See item 75. (see link for restriction details)               | -   |
| Water            | 7732-18-5 | -   | -   | -   |

#### REACH links

<https://echa.europa.eu/substances-restricted-under-reach>

#### Seveso III Directive (2012/18/EC)

| Component        | CAS No    | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements |
|------------------|-----------|---|--|
| Methylamine ...% | 74-89-5   | Not applicable  | Not applicable   |
| Water            | 7732-18-5 | Not applicable  | Not applicable   |

#### Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals

Not applicable

#### Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)?

Not applicable

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

#### National Regulations

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UK - Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment

**WGK Classification** Water endangering class = 2 (self classification)

| Component        | Germany - Water Classification (AwSV) | Germany - TA-Luft Class                              |
|------------------|---------------------------------------|--|
| Methylamine ...% | WGK2                                  | Class I : 20 mg/m <sup>3</sup> (Massenkonzentration) |

| Component        | France - INRS (Tables of occupational diseases)               |
|------------------|---|
| Methylamine ...% | Tableaux des maladies professionnelles (TMP) - RG 49,RG 49bis |

## 15.2. Chemical safety assessment

A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted

## SECTION 16: OTHER INFORMATION

### Full text of H-Statements referred to under sections 2 and 3

H224 - Extremely flammable liquid and vapor  
H225 - Highly flammable liquid and vapor  
H302 - Harmful if swallowed  
H332 - Harmful if inhaled  
H314 - Causes severe skin burns and eye damage  
H318 - Causes serious eye damage  
H335 - May cause respiratory irritation  
H335 - May cause respiratory irritation

### Legend

**CAS** - Chemical Abstracts Service

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**IECSC** - Chinese Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**ENCS** - Japanese Existing and New Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

**WEL** - Workplace Exposure Limit

**ACGIH** - American Conference of Governmental Industrial Hygienists

**DNEL** - Derived No Effect Level

**RPE** - Respiratory Protective Equipment

**LC50** - Lethal Concentration 50%

**NOEC** - No Observed Effect Concentration

**PBT** - Persistent, Bioaccumulative, Toxic

**TWA** - Time Weighted Average

**IARC** - International Agency for Research on Cancer  
Predicted No Effect Concentration (PNEC)

**LD50** - Lethal Dose 50%

**EC50** - Effective Concentration 50%

**POW** - Partition coefficient Octanol:Water

**vPvB** - very Persistent, very Bioaccumulative

**ADR** - European Agreement Concerning the International Carriage of Dangerous Goods by Road

**IMO/IMDG** - International Maritime Organization/International Maritime Dangerous Goods Code

**OECD** - Organisation for Economic Co-operation and Development

**BCF** - Bioconcentration factor

### Key literature references and sources for data

<https://echa.europa.eu/information-on-chemicals>

Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

**ICAO/IATA** - International Civil Aviation Organization/International Air Transport Association

**MARPOL** - International Convention for the Prevention of Pollution from Ships

**ATE** - Acute Toxicity Estimate

**VOC** - (Volatile Organic Compound)

### Training Advice

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

# SAFETY DATA SHEET

Methylamine, 40 wt% solution in water

Revision Date 02-Feb-2024

First aid for chemical exposure, including the use of eye wash and safety showers.  
Chemical incident response training.

|                  |                 |
|------------------|-----------------|
| Creation Date    | 24-Nov-2010     |
| Revision Date    | 02-Feb-2024     |
| Revision Summary | Not applicable. |

**This safety data sheet complies with Regulation UK SI 2019/758 and UK SI 2020/1577 as amended.**

## Disclaimer

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**End of Safety Data Sheet**