

# SAFETY DATA SHEET

Preparation Date: 3/28/2018

Revision Date: 3/28/2018

Revision Number: G1

## 1. IDENTIFICATION

### Product identifier

**Product code:** M1241  
**Product Name:** METHYLAMINE, 40 PERCENT AQUEOUS SOLUTION

### Other means of identification

**Synonyms:** Aminomethane  
Mercurialin  
Carbinamine  
Methanamine (9CI)  
Methylaminen (Dutch)  
Metilamine (Italian)  
Monomethylamine

**CAS #:** 74-89-5  
**RTECS #** PF6300000  
**CI#:** Not available

### Recommended use of the chemical and restrictions on use

**Recommended use:** No information available.  
**Uses advised against** No information available

### Supplier:

Vinyl Kft  
1097 Budapest Illatos út 19-23.  
ehsq@vinyl.hu

**Emergency telephone number** Public Toxicological Health Service (ETTSZ) 1096 Budapest, Nagyvárad tér 2.  
Tel.: 06 1 476 6464, 06 80 201 199 (0-24 h)

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 3
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 2

### Label elements

**Product name:** METHYLAMINE, 40  
PERCENT AQUEOUS SOLUTION

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## Danger

### Hazard statements

Causes severe skin burns and eye damage

Toxic if swallowed

Toxic if inhaled

May cause respiratory irritation

Highly flammable liquid and vapor



### Hazards not otherwise classified (HNOC)

Not Applicable

### Other hazards

Not available

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Use only outdoors or in a well-ventilated area

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

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

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/lighting/.../equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Keep cool

### Precautionary Statements - Response

*Immediately call a POISON CENTER or doctor/physician*

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish.

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

Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or

doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Rinse mouth

Do NOT induce vomiting

### Precautionary Statements - Storage

Store locked up

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

### Precautionary Statements - Disposal

**Product name:** METHYLAMINE, 40  
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Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Water	7732-18-5	60
Methylamine	74-89-5	40

### 4. FIRST AID MEASURES

#### First aid measures

**General Advice:** National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.

**Skin Contact:** Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Continue flushing with plenty of water for at least 15 minutes. Immediate medical attention is required. Call a physician or Poison Control Centre immediately.

**Eye Contact:** Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a physician immediately.

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **WARNING!** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce 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.

**Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

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

**Symptoms**  
Severe skin and eye irritation or burns  
Causes digestive (gastrointestinal) tract irritation  
May cause gastrointestinal (digestive) tract burns  
Irritating to respiratory system  
May cause bronchitis  
Coughing and wheezing  
Dyspnea (Shortness of breath and difficulty breathing)  
May cause build-up of fluid in the lungs (pulmonary edema)  
May cause abdominal pain, nausea, vomiting, diarrhea  
May affect the liver

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

**Notes to Physician:** Treat symptomatically.

#### Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

**Suitable Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>). Dry chemical. Alcohol-resistant

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foam. Water spray.

**Unsuitable Extinguishing Media:**

Do not use a solid (straight) water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

**Hazardous Combustion Products:**

Carbon Monoxide, Carbon Dioxide. Nitrogen Oxides.

**Specific hazards:**

Highly flammable. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated. Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Fire may produce irritating, corrosive and/or toxic gases.

**Special Protective Actions for Firefighters**

**Specific Methods:**

Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

**Special Protective Equipment for Firefighters:**

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

**6. ACCIDENTAL RELEASE MEASURES**

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

**Personal Precautions:**

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.

**Environmental precautions**

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas.

**Methods and material for containment and cleaning up**

**Methods for containment**

Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up**

Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Technical Measures/Precautions:**

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Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

**Safe Handling Advice**

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Technical Measures/Storage Conditions:**

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep refrigerated. Store at 2-8 deg. C. Store in a segregated and approved area. Store away from incompatible materials.

**Incompatible Materials:**

- Strong acids
- Strong oxidizing agents
- Mercury
- Nitromethane
- Halogenated compounds

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**National occupational exposure limits**

**United States**

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Water	7732-18-5	None	None	None	None
Methylamine	74-89-5	10 ppm TWA 12 mg/m <sup>3</sup> TWA	10 ppm TWA 12 mg/m <sup>3</sup> TWA	15 ppm STEL 5 ppm TWA	None

**Canada**

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Water	7732-18-5	None	None	None	None
Methylamine	74-89-5	5 ppm TWA 6.4 mg/m <sup>3</sup> TWA 15 ppm STEL 19 mg/m <sup>3</sup> STEL	5 ppm TWA 15 ppm STEL	15 ppm STEL	None

**Australia and Mexico**

Components	CAS-No.	Australia	Mexico
Water	7732-18-5	None	None
Methylamine	74-89-5	10 ppm TWA 13 mg/m <sup>3</sup> TWA	10 ppm TWA 12 mg/m <sup>3</sup> TWA

**Appropriate engineering controls**

**Engineering measures to reduce exposure:**

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

**Individual protection measures, such as personal protective equipment**

## Personal Protective Equipment

<b>Eye protection:</b>	Goggles or Face-shield
<b>Skin and body protection:</b>	Chemical resistant apron Long sleeved clothing Gloves If working with large quantities: Chemical resistant protective suit
<b>Respiratory protection:</b>	Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
<b>Hygiene measures:</b>	Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b> Liquid	<b>Appearance:</b> No information available.	<b>Color:</b> Colorless.
<b>Odor:</b> No information available.	<b>Taste</b> No information available.	<b>Formula:</b> CH <sub>3</sub> NH <sub>2</sub>
<b>Molecular/Formula weight:</b> 31.06	<b>Flammability:</b> Highly flammable	<b>Flashpoint (°C/°F):</b> -11 to -10 °C/12.2 to 14 °F
<b>Flash Point Tested according to:</b> Closed cup	<b>Autoignition Temperature (°C/°F):</b> 430 °C/806 °F	<b>Lower Explosion Limit (%):</b> 5
<b>Upper Explosion Limit (%):</b> No information available	<b>Melting point/range(°C/°F):</b> No information available	<b>Decomposition temperature(°C/°F):</b> No information available
<b>Boiling point/range(°C/°F):</b> 40-49.3 °C/104-120.74 °F	<b>Bulk density:</b> No information available	<b>Density (g/cm<sup>3</sup>):</b> No information available
<b>Specific gravity:</b> 0.88-0.9014	<b>pH:</b> 11.2	<b>Vapor pressure @ 20°C (kPa):</b> 32
<b>Evaporation rate:</b> No information available	<b>Vapor density:</b> 1.07	<b>VOC content (g/L):</b> No information available
<b>Odor threshold (ppm):</b> No information available	<b>Partition coefficient (n-octanol/water):</b> No information available	<b>Viscosity:</b> No information available
<b>Miscibility:</b> No information available	<b>Solubility:</b> Completely soluble in water	

## 10. STABILITY AND REACTIVITY

### Reactivity

Forms an explosive mixture with Nitromethane  
Corrosive to copper, zinc alloys, aluminum, and galvanized surfaces

### Chemical stability

**Stability:** Stable under recommended storage conditions.

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**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Heat. Ignition sources. Incompatible materials.

**Incompatible Materials:** Strong acids  
Strong oxidizing agents  
Mercury  
Nitromethane  
Halogenated compounds

**Hazardous decomposition products:** When heated to decomposition it emits toxic fumes. Nitrogen oxides (NOx).

**Other Information**  
**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Principal Routes of Exposure:**  
Skin. Ingestion. Inhalation.

### Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document  
**Component Information**

Water	
CAS-No.	7732-18-5

**LD50/oral/rat** = > 90 mL/kg Oral LD50 Rat  
**LD50/oral/mouse** = No information available  
**LD50/dermal/rabbit** = No information available  
**LD50/dermal/rat** = No information available  
**LC50/inhalation/rat** = No information available  
**LC50/inhalation/mouse** = No information available  
**Other LD50 or LC50 information** = No information available

Methylamine	
CAS-No.	74-89-5

**LD50/oral/rat** = 100 mg/kg Oral LD50 Rat  
**LD50/oral/mouse** = No information available  
**LD50/dermal/rabbit** = No information available  
**LD50/dermal/rat** = No information available  
**LC50/inhalation/rat** = 2.9 mg/L Inhalation LC50 Rat 4 h; 4400 mL/m<sup>3</sup> Inhalation LC50 Rat 4 h  
**LC50/inhalation/mouse** = No information available  
**Other LD50 or LC50 information** = No information available

### **Product Information**

**LD50/oral/rat** =  
**VALUE- Acute Tox Oral** = No information available

**LD50/oral/mouse** =

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Value - Acute Tox Oral = No information available

**LD50/dermal/rabbit**

VALUE-Acute Tox Dermal = No information available

**LD50/dermal/rat**

VALUE -Acute Tox Dermal = No information available

**LC50/inhalation/rat**

VALUE-Vapor = No information available

VALUE-Gas = No information available

VALUE-Dust/Mist = No information available

**LC50/Inhalation/mouse**

VALUE-Vapor = No information available

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

**Symptoms**

**Skin Contact:** Causes severe irritation and burns.

**Eye Contact:** Causes severe irritation and burns. May cause permanent eye damage. May cause blindness. May cause a perception of a "blue haze" or "fog" or "halo" around lights.

**Inhalation** Irritating to respiratory system. Symptoms may include coughing and wheezing, and shortness of breath. It may cause pulmonary edema. May cause a sensation of tightness in the chest and rhinorrhea (a condition where the nasal cavity is filled with a significant amount of mucous fluid)). Olfactory fatigue may occur. After inhalation, transient headache, nausea, faintness, and anxiety may occur.

**Ingestion** Causes irritation of the digestive (gastrointestinal) tract with possible burns. Ingestion may cause nausea, vomiting, diarrhea. May cause perforation of the digestive tract.

**Aspiration hazard** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Chronic Toxicity** Chronic exposure may affect the liver. Repeated exposure may cause bronchitis to develop with cough, phlegm, and /or shortness of breath.

**Sensitization:** No information available.

**Mutagenic Effects:** No information available

**Carcinogenic effects:** Not considered carcinogenic.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Water	7732-18-5	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
Methylamine	74-89-5	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*IARC (International Agency for Research on Cancer)*

*NTP (National Toxicology Program)*

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**Reproductive toxicity** No data is available  
**Reproductive Effects:** No information available  
**Developmental Effects:** No information available  
**Teratogenic Effects:** No information available

**Specific Target Organ Toxicity**

**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Target Organs:** No information available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Ecotoxicity effects:** Aquatic environment.  
*Methylamine - 74-89-5*  
**Freshwater Fish Species Data:** 150 mg/L LC50 Salvelinus fontinalis 62 h static 1  
**Water Flea Data:** 163 mg/L EC50 Daphnia magna 48 h 147 - 180 mg/L EC50 Daphnia magna 48 h  
**Persistence and degradability:** No information available  
**Bioaccumulative potential:** No information available.  
**Mobility:** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

**Waste from residues / unused products:**  
 Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**  
 Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Water	7732-18-5	None	None	None	None
Methylamine	74-89-5	None	None	None	None

**14. TRANSPORT INFORMATION**

**DOT**  
**UN-No:** UN1235  
**Proper Shipping Name:** Methylamine, aqueous solution  
**Hazard Class:** 3  
**Subsidiary Class** 8  
**Packing group:** II  
**Emergency Response Guide Number** 132

**Product name:** METHYLAMINE, 40 PERCENT AQUEOUS SOLUTION

**Marine Pollutant** No data available  
**DOT RQ (lbs):** No information available  
**Special Provisions** B1, IB2, T7, TP1  
**Symbol(s):** No information available  
**Description:** UN1235, Methylamine, aqueous solution, 3 (8), II

**TDG (Canada)**  
**UN-No:** UN1235  
**Proper Shipping Name:** Methylamine, aqueous solution  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Marine Pollutant** No Information available  
**Description:** UN1235, Methylamine, aqueous solution, 3 (8), II

**ADR**  
**UN-No:** UN1235  
**Proper Shipping Name:** Methylamine, aqueous solution  
**Hazard Class:** 3  
**Packing Group:** II  
**Subsidiary Risk:** No information available  
**Description:** UN1235, Methylamine, aqueous solution, 3 (8), II

**IMO / IMDG**  
**UN-No:** UN1235  
**Proper Shipping Name:** Methylamine, aqueous solution  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Marine Pollutant** No information available  
**EMS:** F-E  
**Description** UN1235, Methylamine, aqueous solution, 3 (8), II

**RID**  
**UN-No:** UN1235  
**Proper Shipping Name:** Methylamine, aqueous solution  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Description:** UN1235, Methylamine, aqueous solution, 3 (8), II

**ICAO**  
**UN-No:** UN1235  
**Proper Shipping Name:** Methylamine, aqueous solution  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Description:** UN1235, Methylamine, aqueous solution, 3 (8), II

**IATA**  
**UN-No:** UN1235  
**Proper Shipping Name:** Methylamine, aqueous solution  
**Hazard Class:** 3  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**ERG Code:** 3CH  
**Special Provisions** No information available  
**Description:** UN1235, Methylamine, aqueous solution, 3 (8), II

**Product name:** METHYLAMINE, 40  
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## 15. REGULATORY INFORMATION

### International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Water	7732-18-5	Present	Present KE-35400	Present	Not present	Present	Present	Present 231-791-2
Methylamine	74-89-5	Present ACTIV E	Present KE-23421	Present	Present (2)-129	Present	Present	Present 200-820-0

### U.S. Regulations

#### Methylamine

**Massachusetts RTK:** Present  
**New Jersey RTK Hazardous Substance List:** sn 1225  
**New Jersey (EHS) List:** SN 1225 500 lb TPQ  
**New Jersey - Discharge Prevention - List of Hazardous Substances:** Present  
**New Jersey TCPA - EHS:** 2300lbTQ  
**Pennsylvania RTK:** Environmental hazard  
**Pennsylvania RTK - Environmental Hazard List** Present  
**Michigan PSM HHC:** = 1000 lb TQ  
**Minnesota - Hazardous Substance List:** Present  
**New York Release Reporting - List of Hazardous Substances:**  
 100 lb RQ  
 1 lb RQ  
**Louisiana Reportable Quantity List for Pollutants:** Listed  
**California Directors List of Hazardous Substances:** Present

#### California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

##### Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

##### Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Water	7732-18-5	Not Listed	Not Listed	Not Listed	Not Listed
Methylamine	74-89-5	Not Listed	Not Listed	Not Listed	Not Listed

### CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Water	7732-18-5	None	None	None	None	None
Methylamine	74-89-5	100 lb final RQ 45.4 kg final RQ	None	None	None	None

### U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Water	7732-18-5	Not Applicable	Not Applicable
Methylamine	74-89-5	Not Applicable	Not Applicable

### Canada

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**WHMIS 2015 - GHS Classifications**

WHMIS 2015 Hazard Classification Information:

Component  
Water  
7732-18-5 ( 60 )  
Methylamine  
74-89-5 ( 40 )

WHMIS 2015 Hazard Classification  
Not a dangerous product according to HPR classification criteria

Flammable gases - Category 1: H220 Extremely flammable gas.;  
Flammable liquids - Category 2: H225 Highly flammable liquid and vapour. (40% Methylamine aqueous solution); Acute toxicity - Oral - Category 4: H302 Harmful if swallowed. (40% Methylamine aqueous solution); Acute toxicity - Inhalation - Category 2: H330 Fatal if inhaled.; Health Hazard Not Otherwise Classified - Category 1: Causes severe damage to the respiratory tract; Skin corrosion/irritation - Category 1: H314 Causes severe skin burns and eye damage.; Serious Eye Damage/Eye Irritation - Category 1: H318 Causes serious eye damage.

**Canada Hazardous Products Regulation** This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

**WHMIS 1988 Hazard Class**

Non-controlled

**Components  
Water**

WHMIS 1988  
Uncontrolled product according to WHMIS classification criteria

**Methylamine**

A,B1,D1A,E  
B2,D1A,E 40%

**Canada Controlled Products Regulation:**

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Methylamine	0.1 %

**Inventory**

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Water	7732-18-5	Present	Not Listed
Methylamine	74-89-5	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Water	7732-18-5	Not listed
Methylamine	74-89-5	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Water	7732-18-5	Not listed
Methylamine	74-89-5	Not listed

**EU Classification****EU GHS - SV - CLP 1272/2008**

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Water	7732-18-5	
Methylamine	74-89-5	Flammable gases - Flam. Gas 1: H220 Extremely flammable gas.; Gases under pressure: H280 Contains gas under pressure, may explode when heated.; Acute toxicity - Inhalation - Acute Tox. 4: H332 Harmful if inhaled. (Minimum classification); Skin

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		<p>corrosion/irritation - Skin Irrit. 2: H315 Causes skin irritation. (C &gt;= 5 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given); Serious Eye Damage/Eye Irritation - Eye Dam. 1: H318 Causes serious eye damage. (C &gt;= 5 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given); Specific target organ toxicity - Single exposure - STOT SE 3: H335 May cause respiratory irritation. (C &gt;= 5 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)612-001-00-9</p> <p>Skin corrosion/irritation - Skin Irrit. 2: H315 Causes skin irritation. (C &gt;= 5 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given); Serious Eye Damage/Eye Irritation - Eye Dam. 1: H318 Causes serious eye damage. (C &gt;= 5 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given); Serious Eye Damage/Eye Irritation - Eye Irrit. 2: H319 Causes serious eye irritation. (0.5 % &lt;= C &lt;5 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given); Specific target organ toxicity - Single exposure - STOT SE 3: H335 May cause respiratory irritation. (C &gt;= 5 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)612-001-00-9</p>
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EU - CLP (1272/2008)

**R-phrase(s)**

not determined (not applicable)

**S -phrase(s)**

- S 3 - Keep in a cool place.
- S16 - Keep away from sources of ignition - No smoking.
- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S29 - Do not empty into drains.
- S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S 1/2 - Keep locked up and out of the reach of children.
- S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Components	CAS-No.	Classification	Concentration	Safety Phrases
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**Product name:** METHYLAMINE, 40 PERCENT AQUEOUS SOLUTION

			<b>Limits:</b>	
Water	7732-18-5		No information	
Methylamine	74-89-5	F+; R12 Xn; R20 Xi; R37/38-41	0.5%<=C<5% Xi;R36 5%<=C Xn;R20-37/38-41	Monomethylamine: S: (2)-16-26-39 Monomethylamine...% S: (1/2)-3-16-26-29-36/37 /39-45

The product is classified in accordance with Annex VI to Directive 67/548/EEC

**Indication of danger:**

F - Highly flammable.

F+ - Extremely flammable.

**16. OTHER INFORMATION**

**Preparation Date:** 3/28/2018

**Revision Date:** 3/28/2018