

## SAFETY DATA SHEET

Preparation Date: 08/13/2015

Revision date 11/20/2019

Revision Number: G2

### 1. IDENTIFICATION

#### Product identifier

**Product code:** T2272  
**Product Name:** TRIMETHYLAMINE 24 PERCENT AQUEOUS SOLUTION

#### Other means of identification

**Synonyms:** Trimethylamine, 24%  
**CAS #:** 75-50-3  
**RTECS #** PA0350000  
**CI#:** Not available

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

**Recommended use:** It is used as a warning (smell) agent in natural gas; an insect attractant; chemical manufacturing.

**Uses advised against** No information available

**Supplier:** Spectrum Chemical Mfg. Corp  
 14422 South San Pedro St.  
 Gardena, CA 90248  
 (310) 516-8000

**Order Online At:** <https://www.spectrumchemical.com>

**Emergency telephone number** Chemtrec 1-800-424-9300

**Contact Person:** Tom Tyner (USA - West Coast)

**Contact Person:** Ibad Tirmiz (USA - East Coast)

### 2. HAZARDS IDENTIFICATION

#### Classification

This chemical is considered hazardous by 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 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 2

#### Label elements

##### **Danger**

##### **Hazard statements**

Causes severe skin burns and eye damage  
 Harmful if swallowed  
 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
- Do not breathe mist or vapors
- Wear protective gloves/protective clothing/eye protection/face protection
- Use only outdoors or in a well-ventilated area
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- Keep container tightly closed
- Ground container and receiving equipment
- Use explosion-proof equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Keep cool

**Precautionary Statements - Response**

- Immediately call a POISON CENTER or 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 physician.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water
- Wash contaminated clothing before reuse
- IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. Call a POISON CENTER or physician if you feel unwell.
- IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell
- 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**

Dispose of contents and container to an approved waste disposal plant in accordance with local, regional, national and international regulations as applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS No	Weight-%
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Water	7732-18-5	76
Trimethylamine	75-50-3	24

## 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. First aider needs to protect himself. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- Skin Contact:** Wash off immediately with soap and plenty of water. Continue flushing with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required. Call a physician or poison control center 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. Call a physician immediately.

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

- Symptoms**
- Causes severe skin burns
  - Skin contact may result in redness, pain, inflammation, itching, scaling
  - Causes serious eye damage
  - Inflammation of the eye is characterized by redness, watering and itching
  - May cause respiratory irritation
  - Coughing
  - Choking sensation
  - Dyspnea (Shortness of breath and difficulty breathing)

### 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:** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol-resistant foam.

**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 (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

**Specific hazards**

Flammable. Will be easily ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated. Fire may produce irritating and/or toxic gases. Vapor may travel considerable distance to source of ignition and flash back. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Potentially explosive reaction with bromine + heat, ethylene oxide, triethynyl-aluminum (Trimethylamine).

**Special Protective Actions for Firefighters**

**Specific Methods:**

No information available

**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. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Evacuate personnel to safe areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. 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. Pay attention to flashback. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. 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), then place in a suitable chemical waste container. 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. Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. All equipment used when handling the product must be grounded. Remove all sources of ignition. Keep away from incompatible materials.

**Safe Handling Advice:**

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

## Conditions for safe storage, including any incompatibilities

### **Technical Measures/Storage Conditions:**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep refrigerated. Store at 2-8 deg. C. Keep away from heat and sources of ignition. Store away from incompatible materials. Store in a segregated and approved area.

### **Incompatible Materials:**

Oxidizing agents  
Acids  
Ethylene oxide  
Bromine  
Sodium nitrate  
Chlorine  
Organic materials  
Metals  
Mercury  
Zinc  
Copper  
Brass

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Control parameters

#### **National occupational exposure limits**

##### **United States**

Component	CAS No	OSHA	NIOSH	ACGIH	AIHA WEEL
Water	7732-18-5	None	None	None	None
Trimethylamine	75-50-3	None	10 ppm TWA 24 mg/m <sup>3</sup> TWA 15 ppm STEL 36 mg/m <sup>3</sup> STEL	15 ppm STEL 5 ppm TWA	1 ppm TWA

##### **Canada**

Component	CAS No	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Water	7732-18-5	None	None	None	None
Trimethylamine	75-50-3	5 ppm TWA 12 mg/m <sup>3</sup> TWA 15 ppm STEL 36 mg/m <sup>3</sup> STEL	5 ppm TWA 15 ppm STEL	15 ppm STEL	None

##### **Australia and Mexico**

Component	CAS No	Australia	Mexico
Water	7732-18-5	None	None
Trimethylamine	75-50-3	15 ppm STEL 36 mg/m <sup>3</sup> STEL 10 ppm TWA 24 mg/m <sup>3</sup> TWA	5 ppm TWA 15 ppm STEL

### 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
<b>Skin and body protection:</b>	Chemical resistant protective suit Gloves Boots
<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> Ammoniacal. Fish-like.	<b>Taste</b> No information available.	<b>Formula</b> (CH <sub>3</sub> ) <sub>3</sub> N
<b>Molecular/Formula weight (g/mole):</b> 59.11	<b>Flammability (solid, gas)</b> Highly flammable	<b>Flashpoint (°C/°F):</b> 3.3°C/ 37.9°F
<b>Flash Point Tested according to:</b> Open cup	<b>Autoignition Temperature (°C/°F):</b> 190°C/ 374°F	<b>Lower Explosion Limit (%):</b> 2%
<b>Upper Explosion Limit (%):</b> 11.6%	<b>Melting point/range(°C/°F):</b> -3°C/ 27°F	<b>Decomposition temperature(°C/°F):</b> No information available
<b>Boiling point/range(°C/°F):</b> 95°C/ 203°F	<b>Bulk density:</b> No information available	<b>Density (g/cm<sup>3</sup>):</b> No information available
<b>Specific gravity:</b> 0.83-0.93	<b>pH</b> No information available	<b>Vapor pressure @ 20°C (kPa):</b> 46.1
<b>Evaporation rate:</b> No information available	<b>Vapor density:</b> 2.04	<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> Easily soluble in cold water Easily soluble in hot water Soluble in diethyl ether	

### 10. STABILITY AND REACTIVITY

#### Reactivity

Reactive with oxidizing agents

Reactive with acids

Reactive with ethylene oxide, bromine, nitrosating agents (sodium nitrate), chlorine, reactive organic compounds, some metals, mercury

**Chemical stability**

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

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

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

**Incompatible Materials:** Oxidizing agents  
Acids  
Ethylene oxide  
Bromine  
Sodium nitrate  
Chlorine  
Organic materials  
Metals  
Mercury  
Zinc  
Copper  
Brass

**Hazardous decomposition products:** No information available.

**Other Information**

**Corrosivity:** Non-corrosive in the presence of glass

**Special Remarks on Corrosivity:** Corrosive to many metals (zinc, brass, aluminum, copper). (Trimethylamine)

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

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

**Acute Toxicity**

**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

Trimethylamine	
CAS No	75-50-3

**LD50/oral/rat =** = 1200 mg/kg Oral LD50 Rat  
**LD50/oral/mouse =** No information available  
**LD50/dermal/rabbit =** No information available

**LD50/dermal/rat** = > 5000 mg/kg Dermal LD50  
**LC50/inhalation/rat** = 5 mg/L Inhalation LC50 Rat 1 h  
5.9 mg/L 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 Toxicity** = No information available

**LD50/oral/mouse** =  
**Value - Acute Tox** = No information available

**LD50/dermal/rabbit**  
**Value - Acute Toxicity** = No information available

**LD50/dermal/rat**  
**VALUE - Acute Tox** = 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. May cause deep penetrating ulcers of the skin.

**Eye Contact:** Causes severe irritation and burns. Contact may cause conjunctival ulceration, hemorrhages, corneal ulceration, edema and opacities.

**Inhalation** May cause severe irritation of the respiratory tract with sore throat, tingling sensation in the respiratory tract, irritation of nose and eyes, coughing, shortness of breath and delayed lung edema. Inhalation may affect behavior/central nervous system (excitement, somnolence, spasticity).

**Ingestion** May cause severe gastrointestinal tract irritation and possible burns. Symptoms may include nausea, vomiting, burning sensation in the mouth, throat and stomach, pain on swallowing, swelling of the throat, profuse salivation, diarrhea, rapid breathing, risk of gastrointestinal hemorrhage, and perforation. It may affect behavior/nervous system, cardiovascular system (shock -rapid, weak pulse, cold sweat, pale complexion, lightheadedness, and cold hands and feet), blood.

**Aspiration hazard** No information available.

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

**Chronic Toxicity** Skin: Repeated or prolonged skin contact may cause dermatitis.  
Inhalation: Repeated or prolonged inhalation may affect behavior/central nervous system, respiration (fibrosis, pneumoconiosis, pulmonary edema, chemical bronchitis), and blood (changes in red blood cell count), and metabolism (weight



loss), and endocrine system (adrenal gland).

**Sensitization:** No information available.

**Mutagenic Effects:** No information available

**Carcinogenic effects:** Not considered carcinogenic.

Component	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
Trimethylamine	75-50-3	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)*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

**Reproductive toxicity** No data is available

**Reproductive Effects:** May cause adverse reproductive effects based on animal data

**Developmental Effects:** No information available

**Teratogenic Effects:** No information available

**Specific Target Organ Toxicity**

**STOT - single exposure** respiratory system.

**STOT - repeated exposure** No information available.

**Target Organs:** No information available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Ecotoxicity effects:** Toxic to aquatic organisms.

*Trimethylamine - 75-50-3*

**Algae/aquatic plants** EC50: =98.8mg/L (72h, *Desmodesmus subspicatus*) EC50: =74.2mg/L (96h, *Desmodesmus subspicatus*)

**Fish** LC50: =1000mg/L (48h, *Oryzias latipes*)

**Crustacea** EC50: =139mg/L (48h, *Daphnia magna* Straus)

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available.

**Mobility in soil** No information available

**Other adverse effects** 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

Component	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
Trimethylamine	75-50-3	None	None	None	None

## 14. TRANSPORT INFORMATION

### **DOT**

**UN-No:** UN1297  
**Proper Shipping Name:** Trimethylamine, aqueous solutions  
**Hazard Class** 3  
**Subsidiary Class** 8  
**Packing group:** II  
**Emergency Response Guide Number** 132  
**Marine Pollutant** No data available  
**DOT RQ (lbs):** No information available  
**Special Provisions** B1, IB2, T7, TP1  
**Symbol(s):** [DOT]: (R3) - Identifies a material that is a hazardous substance that has a reportable quantity (RQ) of 100 pounds (45.4 Kilograms).  
**Description:** UN1297, Trimethylamine, aqueous solutions, 3 (8), II

### **TDG (Canada)**

**UN-No:** UN1297  
**Proper Shipping Name:** Trimethylamine, aqueous solution  
**Hazard Class** 3  
**Subsidiary Risk:** (8)  
**Packing Group:** II  
**Marine Pollutant** No Information available  
**Description:** UN1297, Trimethylamine, aqueous solution, 3 (8), II

### **ADR**

**UN Number** UN1297  
**Proper Shipping Name:** Trimethylamine, aqueous solution  
**Transport hazard class(es)** 3  
**Packing group** II  
**Subsidiary Risk:** 8  
**Description:** UN1297, Trimethylamine, aqueous solution, 3 (8), II

### **IMDG**

**UN-No:** UN1297  
**Proper Shipping Name:** Trimethylamine, aqueous solutions  
**Hazard Class:** 3  
**Subsidiary Risk:** 8  
**Packing Group:** II  
**Marine Pollutant** No information available  
**EMS:** F-E  
**Description** UN1297, Trimethylamine, aqueous solution, 3 (8), II

### **RID**

**Product code:** T2272

**Product name:** TRIMETHYLAMINE  
24 PERCENT AQUEOUS SOLUTION

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**UN Number** UN1297  
**Proper Shipping Name:** Trimethylamine, aqueous solution  
**Transport hazard class(es)** 3  
**Subsidiary Risk:** 8  
**Packing group** II  
**Description:** UN1297, Trimethylamine, aqueous solution, 3 (8), II

**ICAO (air)**

**UN-No:** UN1297  
**Proper Shipping Name:** Trimethylamine, aqueous solution  
**Hazard Class** 3  
**Subsidiary Risk:** 8  
**Packing Group:** II  
**Description:** UN1297, Trimethylamine, aqueous solution, 3 (8), II  
**Special Provisions** A3

**IATA**

**UN Number** UN1297  
**Proper Shipping Name:** Trimethylamine, aqueous solution  
**Transport hazard class(es)** 3  
**Subsidiary Risk:** 8  
**Packing group** II  
**Precautionary Statements - Response** 3CH  
**Special Provisions** No information available  
**Description:** UN1297, Trimethylamine, aqueous solution, 3 (8), II

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

Component	CAS No	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	China IECSC	Australia (AICS)	EINECS-No.
<i>Water</i>	7732-18-5	PresentACTIV E	Present KE-35400	Present	Not present	Present	Present	Present 231-791-2
<i>Trimethylamine</i>	75-50-3	PresentACTIV E	Present KE-11508	Present	Present (2)-140	Present	Present	Present 200-875-0

**U.S. Regulations**

*Trimethylamine*

**Massachusetts RTK:** Present  
**New Jersey RTK Hazardous Substance List:** 1927  
**New Jersey (EHS) List:** 1927 500 lb TPQ  
**New Jersey - Discharge Prevention - List of Hazardous Substances:** Present  
**New Jersey TCPA - EHS:** 10000lbTQ  
**Pennsylvania RTK:** Environmental hazard  
**Pennsylvania RTK - Environmental Hazard List** Present  
**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

**FDA - 21 CFR - Total Food Additives** 173.20  
 - List Sourced from EAFUS

**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)

Component	CAS No	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Water	7732-18-5	Not Listed	Not Listed	Not Listed	Not Listed
Trimethylamine	75-50-3	Not Listed	Not Listed	Not Listed	Not Listed

**CERCLA/SARA**

Component	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
Trimethylamine	75-50-3	100 lb final RQ 45.4 kg final RQ	None	None	None	None

**U.S. TSCA**

Component	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
Trimethylamine	75-50-3	Not Applicable	Not Applicable

**Canada**

**WHMIS 2015 - GHS Classifications**

WHMIS 2015 Hazard Classification Information:

Component  
Water  
7732-18-5 ( 76 )  
Trimethylamine  
75-50-3 ( 24 )

WHMIS 2015 Hazard Classification  
Not a dangerous product according to HPR classification criteria  
  
Flammable gases - Category 1: H220 Extremely flammable gas.; Gases under pressure - Liquefied gas: H280 Contains gas under pressure, may explode when heated.; Acute toxicity - Inhalation - Category 4: H332 Harmful 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

**DSL/NDSL**

Component	CAS No	Canada (DSL)	Canada (NDSL)
Water	7732-18-5	Present	Not Listed
Trimethylamine	75-50-3	Present	Not Listed

Component	CAS No	CEPA Schedule I - Toxic Substances
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Water	7732-18-5	Not listed
Trimethylamine	75-50-3	Not listed
Component	CAS No	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Water	7732-18-5	Not listed
Trimethylamine	75-50-3	Not listed

## EU Classification

### EU GHS - SV - CLP 1272/2008

Component	CAS No	EU GHS - SV - CLP (1272/2008)
Water	7732-18-5	
Trimethylamine	75-50-3	<p>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 corrosion/irritation - Skin Irrit. 2: H315 Causes skin irritation.; Serious Eye Damage/Eye Irritation - Eye Dam. 1: H318 Causes serious eye damage.; Specific target organ toxicity - Single exposure - STOT SE 3: H335 May cause respiratory irritation.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; The classification for acute toxicity for this entry may be of special concern); 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; The classification for acute toxicity for this entry may be of special concern); 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; The classification for acute toxicity for this entry may be of special concern); 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; The classification for acute toxicity for this entry may be of special concern)</p>

### EU - CLP (1272/2008)

Product code: T2272

Product name: TRIMETHYLAMINE  
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**R-phrase(s)**

R11 - Highly flammable  
 R22 - Harmful if swallowed  
 R34 - Causes burns  
 R41 - Risk of serious damage to eyes

**S -phrase(s)**

S 7 - Keep container tightly closed.  
 S 9 - Keep container in a well-ventilated 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  
 S36 - Wear suitable protective clothing  
 S39 - Wear eye/face protection  
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Component	CAS No	Classification	Concentration Limits:	Safety Phrases
Water	7732-18-5		No information	
Trimethylamine	75-50-3	F+; R12 Xn; R20 Xi; R37/38-41	0.5%≤C<5% Xi;R36 5%≤C Xn;R20-37/38-41	

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

**Indication of danger:**

F - Highly flammable  
 C - Corrosive  
 Xn - Harmful

**16. OTHER INFORMATION**

Preparation Date: 08/13/2015  
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 Prepared by: Sonia Owen

**Disclaimer:**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal

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**End of Safety Data Sheet**