**SAFETY DATA SHEET**

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1. **CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: Trimethylene carbonate

Product Number: S1890

Sarchem Laboratories, Inc. Emergency Phone No: 800-255-3924

5012 Industrial Road International: +1-813-248-0585

Farmingdale, NJ 07727 ChemTel Inc

2. **HAZARDS INFORMATION:**

**Classification of the substance or mixture**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Skin irritation (Category 2), H315

Serious eye irritation (Category 2A), H319

Skin sensitisation (Category 1), H317

Specific target organ toxicity - single exposure (Category 4), Respiratory system, H302

For the full text of the H-Statements mentioned in this Section, see Section 16.

**GHS Label elements, including precautionary statements**

Pictogram 

Signal word Warning

Hazard statement(s)

H302 Harmful if swallowed

H319 Causes serious eye irritation

Precautionary statement(s)

P264 Wash skin thoroughly after handling.

P270 Do not eat ,drink or smoke when using this product

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

protection.

P301 + P312 IFSwallowed,call a poison center or doctor/physician if you feel unwell

comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P330 Rinse mouth

P321 Specific treatment (see supplemental first aid instructions on this label).

P337 + P313 If eye irritation persist: Get medical advice/ attention.

P501 Dispose of contents/ container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC) or not covered by GHS - none**

3. **COMPOSITION/INFORMATION ON INGREDIENTS**

Component CAS EC:NO Molecular Weight

**tTrimethylene carbonate 2453-03-4 102.03**

Formula :

Synonyms:

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4. **FIRST AID MEASURES:**

**General Advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangers area.

**If inhaled**

If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

**In case of skin contact**

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

5. **FIRE FIGHTING MEASURES**

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

Carbon oxides,

**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**Hazardous combustion products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides,

6. **ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Avoid dust formation. Avoid breathing vapors, mist or gas.

**Environmental precautions**

Do not let product enter drains

**Methods for cleaning up**

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

7. **Handling and Storage**

**Handling**

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage**

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator

type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the

respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and

components tested and approved under appropriate government standards such as NIOSH (US) or

CEN (EU).

**Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique

(without touching glove's outer surface) to avoid skin contact with this product. Dispose of

contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash

and dry hands.

**Eye protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate

government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

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9. **PHYSICAL AND CHEMICAL PROPERTIES:**

**Appearance**

Form Solid

**Safety data**

pH no data available

Melting Point 42-44oC 9108-111oF)

Boiling Point no data available

Flash Point 110 °C (210.0 °F)-closed cup

Ignition temperature no data available

Lower exposure limit no data available

Upper exposure limit no data available

Vapor pressure no data available

Water solubility no data available

**10. Stability and Reactivity**

**Storage stability**

Stable under recommended storage conditions.

**Materials to avoid**

no data available

**Conditions to avoid**

No data available

**Incompatible materials**

Strong oxidizing agents

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**11. Toxicological Information**

**Acute toxicity**

No data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable,possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure (Globally Harmonized System)**

no data available

**Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

no data available

**Additional Information**

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**12**. **Ecological Information**

 **Elimination information (persistence and degradability)**

No data available

 **Ecotoxicity effects**

No data available

 **Further information on ecology**

No data available

**13. Disposal Considerations**

**Product**

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**14. Transportation Information**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

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**15. Regulatory Information**

 **SARA 302 Components**

 SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

 **SARA 313 Components**

 SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

 **SARA 311/312 Hazards**

Acute Health HAZARD

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**16. OTHER INFORMATION:**

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

Acute Tox Acute toxicity

Eye Irrit Eye irritation

H302-Harmful if swallowed

H319 Causesserious eye irritation irritation.

Health hazard: 2

Chronic Health Hazard:

Flammability: 1

Physical Hazard 0

**NFPA Rating**

Health hazard: 2

Fire Hazard: 1

Reactivity Hazard: 0

**Further Information**

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