

SECTION 1: Identification**1.1. Product identifier**

Product form : Mixture
Product name : STERILINE™

1.2. Recommended use and restrictions on use

Recommended uses and restrictions : Water Well Treatment

1.3. Supplier**Distributor**

Jet-Lube
930 Whitmore Drive
75087 Rockwall, Texas - USA
T 1.972.771.1000
Regulatory@whitmores.com - www.jetlube.com

Distributor

Jet-Lube of Canada LTD
Units 8 & 9, 1260 - 34 Avenue
T9E 1K7 Nisku, AB - Canada
T 1.780.463.7441
Regulatory@whitmores.com - www.jetlube.com

1.4. Emergency telephone number

Emergency number : For Chemical Emergency Call CHEMTREC 24hr/day 7days/week
Within USA and Canada: 1.800.424.9300
Outside USA and Canada: +1.703.527.3887
(collect calls accepted)

SECTION 2: Hazard identification**2.1. Classification of the substance or mixture****Classification (GHS CA)**

| | |
|---|--|
| Acute toxicity (oral) Category 4 | H302 Harmful if swallowed |
| Acute toxicity (inhalation:dust,mist) Category 3 | H331 Toxic if inhaled |
| Skin corrosion/irritation Category 1C | H314 Causes severe skin burns and eye damage |
| Serious eye damage/eye irritation Category 1 | H318 Causes serious eye damage |
| Specific target organ toxicity (single exposure) Category 3 | H335 May cause respiratory irritation |

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements**GHS CA labeling**

Hazard pictograms (GHS CA) :



Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H331 - Toxic if inhaled
H335 - May cause respiratory irritation

Precautionary statements (GHS CA) : P260 - Do not breathe dust.
P261 - Avoid breathing vapors, dust.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear eye protection, protective gloves.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P304+P340 - IF INHALED: Remove person to fresh air and keep 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.
P310 - Immediately call a POISON CENTER or doctor.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P330 - Rinse mouth.
P363 - Wash contaminated clothing before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.

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P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Other hazards not contributing to the classification : • Damp or wet material may generate nitrogen trichloride, an explosion hazard and/or other hazardous and toxic gases
• Contact with acids liberates toxic gas.

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % | Classification (GHS CA) |
|--|---|----------------------|----------|--|
| SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE | dichloroisocyanuric acid sodium salt dihydrate / NaDCC dihydrate / sodium dichloroisocyanurate, dihydrate / sodium dichloro-s-triazinetrihydrate / troclosene sodium, dihydrate | (CAS-No.) 51580-86-0 | 95 - 100 | Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT SE 3, H335 |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a physician immediately. Call a doctor.
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.
First-aid measures general : Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause respiratory irritation.
Symptoms/effects after skin contact : Burns.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : Burns.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.

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6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves. Neoprene or nitrile rubber gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : White powder or lumps. Pellets/tablets.
- Color : white
- Odor : slight chlorine-like
- Odor threshold : No data available
- pH : No data available
- pH solution : 6 – 7 @ 25 °C (1%)
- Relative evaporation rate (butyl acetate=1) : No data available
- Relative evaporation rate (ether=1) : No data available
- Melting point : Decomposes without melting @ 252 °C
- Freezing point : Not applicable
- Boiling point : No data available
- Flash point : Not applicable
- Auto-ignition temperature : Not applicable
- Decomposition temperature : No data available
- Flammability (solid, gas) : Non flammable.
- Vapor pressure : No data available
- Vapor pressure at 50 °C : No data available
- Relative density : No data available
- Specific gravity / density : 1.95 g/ml
- Solubility : soluble in water.
- Partition coefficient n-octanol/water (Log Pow) : No data available
- Explosion limits : Not applicable

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | : The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : <ul style="list-style-type: none">• Damp or wet material may generate nitrogen trichloride, an explosion hazard and/or other hazardous and toxic gases• Contact with acids liberates toxic gas. |
| Conditions to avoid | : Strong acids. Oxidizing materials. |
| Incompatible materials | : No additional information available |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Hardening time: | : No additional information available |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

| | |
|--------------------|------------------------|
| ATE CA (oral) | 1671 mg/kg body weight |
| ATE CA (dust,mist) | 0.5 mg/l/4h |

SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE (51580-86-0)

| | |
|----------------------------|--|
| LD50 oral rat | 1671 mg/kg body weight (EPA OPP 81-1: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | > 5000 mg/kg (EPA OPP 81-2, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 inhalation rat (mg/l) | 0.27 – 1.17 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Low permeability, Inhalation (dust)) |
| ATE CA (oral) | 1671 mg/kg body weight |
| ATE CA (vapours) | 0.27 mg/l/4h |
| ATE CA (dust,mist) | 0.27 mg/l/4h |

| | |
|-----------------------------------|------------------------------|
| Skin corrosion/irritation | : Causes severe skin burns. |
| Serious eye damage/irritation | : Causes serious eye damage. |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

Reproductive toxicity : Not classified

STOT-single exposure : May cause respiratory irritation.

SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE (51580-86-0)

| | |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

: Not classified

STOT-repeated exposure

Aspiration hazard : Not classified

| | |
|-------------------------------------|-------------------------------------|
| Symptoms/effects after inhalation | : May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Burns. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |
| Symptoms/effects after ingestion | : Burns. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

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Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE (51580-86-0)

| | |
|---|---|
| LC50 fish 1 | 0.24 mg/l (EPA OTS 797.1400, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Read-across, Nominal concentration) |
| EC50 Daphnia 1 | 0.17 mg/l (ASTM, 48 h, Daphnia magna, Static system, Fresh water, Read-across, Nominal concentration) |
| ErC50 (algae) | > 100 mg/l (ISO 10253, 72 h, Skeletonema costatum, Static system, Experimental value, GLP) |
| Partition coefficient n-octanol/water (Log Pow) | -0.0556 (Anhydrous form, QSAR, KOWWIN) |
| Partition coefficient n-octanol/water (Log Koc) | 1.71 (log Koc, Calculated value) |

12.2. Persistence and degradability

SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE (51580-86-0)

| | |
|-------------------------------|--|
| Persistence and degradability | Readily biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Not readily biodegradable in water. |
| Chemical oxygen demand (COD) | 0.01 g O ₂ /g substance |

12.3. Bioaccumulative potential

SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE (51580-86-0)

| | |
|---|--|
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| Partition coefficient n-octanol/water (Log Pow) | -0.0556 (Anhydrous form, QSAR, KOWWIN) |
| Partition coefficient n-octanol/water (Log Koc) | 1.71 (log Koc, Calculated value) |

12.4. Mobility in soil

SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE (51580-86-0)

| | |
|---|--|
| Ecology - soil | Highly mobile in soil. |
| Partition coefficient n-octanol/water (Log Koc) | 1.71 (log Koc, Calculated value) |
| Partition coefficient n-octanol/water (Log Pow) | -0.0556 (Anhydrous form, QSAR, KOWWIN) |

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not regulated for transport

14.2. Transport information/DOT

Department of Transport

Not regulated for transport

14.3. Air and sea transport

IMDG

UN-No. (IMDG) : 3077
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Transport document description (IMDG) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE), 9, III
Class (IMDG) : 9 - Miscellaneous dangerous substances and articles
Packing group (IMDG) : III - substances presenting low danger

IATA

UN-No. (IATA) : 3077
Proper Shipping Name (IATA) : Environmentally hazardous substance, solid, n.o.s.

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Transport document description (IATA) : UN 3077 Environmentally hazardous substance, solid, n.o.s. (SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE), 9, III
Class (IATA) : 9 - Miscellaneous Dangerous Goods
Packing group (IATA) : III - Minor Danger

SECTION 15: Regulatory information

15.1. National regulations

SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE (51580-86-0)

Listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

15.2. International regulations

SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE (51580-86-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

Issue date : 05/08/2020

Full text of H-phrases:

| | |
|------|---|
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H331 | Toxic if inhaled |
| H335 | May cause respiratory irritation |

SDS Canada (GHS)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.