

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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| Section 1. | CHEMICAL PRODUCT SECTION |
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Identification: Product Name: STATICIDE® General Purpose
Product Number: #2001, #2003, #530, #2001-5 & #2001-2

Recommend use: Anti-static topical for hard surfaces
Synonym: Water with surfactants

Manufacturer: ACL Incorporated
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Chicago, IL 60609

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Emergency telephone: INFOTRAC: (01) 800.535.5053 (day or night)

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| Section 2. | HAZARDOUS IDENTIFICATION |
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2.1 Classification of the substance or mixture

Product definition: Mixture

GHS-US classification

Physical: Not Classified

Health: Eye irritation / category 2B

Environmental: Not Classified

2.2 Label Elements

Hazard Pictograms: None

Signal Word: Warning

Hazard Statement:

Causes eye irritation (H320)

Precautionary Statements:

General:

If medical advice is needed, have container or label at hand (P101)

Keep out of reach of children (P102)

Read label before use (P103)

Prevention:

Wash hands thoroughly after handling (P264)

Response:

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

Continue rinsing (P305 +P351 + P338)

If eye irritation persists, get medical attention or advice (P337 + P313)

IF ON SKIN, wash with plenty of water. (P302 + P352)

Unknown Acute Toxicity: No data available

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

| CHEMICAL | CAS | CLASSIFICATION | WEIGHT |
|---|------------|--|-----------|
| Deionized Water | 7732-18-5 | Not classified | 95 – 99.5 |
| Quaternary ammonium compounds, coco alkylbis (hydroxyethyl)methyl, nitrates | 71487-00-8 | Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute): 1 | < 0.5 |
| Isopropanol | 67-63-0 | Flam. Liq. 2; H225 Eye Irrit. 2A; H319 STOT SE 3; H336 | < 0.5 |

Section 4. FIRST AID MEASURES

PRIMARY ROUTE(S) OF EXPOSURE / ENTRY: Inhalation, Skin Contact.

General Advice: If exposed or concerned: Get medical advice/attention.

Inhalation: Move to fresh air and contact a physician if symptoms persist.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/ attention.

Ingestion: Clean mouth with water and drink afterwards plenty of water.

Section 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Alcohol resistant foam, carbon dioxide (CO2). Dry chemical.

Unsuitable Extinguishing Media: Not determined.

Specific Hazards Arising from the Chemical: Not determined.

Hazardous Combustion Products: Not determined.

Protective equipment and precautions 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

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment as required

Methods and material for containment and cleaning up

Methods for Containment: Prevent further leakage or spillage if safe to do so

Methods for Clean-Up: Halt spill at source and contain or dike spill with inert absorbent material. Transfer liquid to containers for recovery or disposal. Shovel absorbent into drums for disposal in accordance with local, state and federal regulations

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| Section 7. | HANDLING AND STORAGE |
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Precautions for safe handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Ambient (40° - 90° F)

Incompatible Materials: None known based on information supplied.

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| Section 8. | EXPOSURE CONTROL / PERSONAL PROTECTION |
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Exposure Guidelines

| Chemical Name | OSHA PEL | | ACGIH TLV | | |
|---------------|----------|---------|------------------------|---------|------------------------|
| | | ppm | Mg/m ³ | ppm | Mg/m ³ |
| 2- Propanol | TWA | 400 ppm | 980 Mg/m ³ | 400 ppm | 983 Mg/m ³ |
| | STEL | 500 ppm | 1225 Mg/m ³ | 500 ppm | 1230 Mg/m ³ |

Appropriate engineering controls

Engineering Controls: Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment

Respirator: None required in well ventilated areas.

Skin and Body Protection: Wear rubber gloves. Wear protective work clothing

Eye Protection: Wear approved safety goggles.

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| Section 9. | PHYSICAL AND CHEMICAL PROPERTIES |
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| Appearance | Clear pale yellow liquid |
| Odor | Pleasant |
| pH | 7.5 |
| Melting point/freezing point | NE / Less than 0°C |
| Initial boiling point and boiling range | 100°C (212°F) |
| Flash point and method | None |
| Evaporation rate | (H2O =1) 1 estimate |
| Flammability (solid, gas, liquid) | NA |
| Upper/lower flammability or explosive limits | NA |
| Vapor pressure | NE |
| Vapor density (air=1) | Less than air |
| Relative density | .99 |
| Solubility(ies). | Miscible |
| Partition coefficient: n-octanol/water | NE |
| Autoignition temperature | NA |
| Decomposition temperature | NE |
| Viscosity | NE |
| Volatile by weight | >90% |
| VOC (g/l) | < 3.6 |

Section 10. STABILITY AND REACTIVITY

Reactivity: Stable under recommended storage conditions
Chemical Reactivity: Stable under recommended storage conditions
Possibility of Hazardous Reactions: None under normal procession
Hazardous Polymerization: Under normal conditions of storage and use, will not occur
Conditions to Avoid: Keep away from heat, flames, and sparks.
Incompatible Materials: None known based on information supplied
Hazardous Decomposition: Not determined

Section 11. TOXICOLOGY INFORMATION

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|-----------------------|------------|-------------------------|----------|
| Quaternary ammonium compounds, coco alkylbis (hydroxyethyl)methyl, nitrates (salts) | LD50 Oral | Rat | 400 mg/kg | - |
| propan-2-ol | LC50 Inhalation Vapor | Rat – Male | 66100 mg/m ³ | 4 hours |
| | LD50 Dermal | Rabbit | 12800 mg/kg | - |
| | LD50 Oral | Rat | 5000 mg/kg | - |

Conclusion/Summary: Not available

Irritation/Corrosion

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|--------------------------|---------|-------------------------|
| propan-2-ol | Eyes - Moderate irritant | Rabbit | 24 hours 100 milligrams |
| | Eyes - Moderate irritant | Rabbit | 10 milligrams |
| | Eyes - Severe irritant | Rabbit | 100 milligrams |
| | Skin - Mild irritant | Rabbit | 500 milligrams |

Conclusion/Summary: Not available

Sensitization Conclusion/Summary: Not available.
Mutagenicity Conclusion/Summary: Not available.
Carcinogenicity Conclusion/Summary: Not available.
Reproductive toxicity Conclusion/Summary: Not available.
Teratogenicity Conclusion/Summary: Not available.
Specific target organ toxicity (single exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|-------------------------|------------|-------------------|------------------|
| propan-2-ol | Category 3 | Not applicable. | Narcotic effects |

Specific target organ toxicity (repeated exposure): Not available.
Aspiration hazard: Not available.
Information on the likely routes of exposure: Not available.

Potential acute health effects

Eye Contact: Causes eye irritation
Skin Contact: May cause skin irritation or dryness
Inhalation: Do not inhale
Ingestion: Do not ingest

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Adverse symptoms may include the following: Pain, watering, redness
Inhalation: Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness

Skin contact: Adverse symptoms may include the following: pain or irritation, redness, blistering may occur
Ingestion: Adverse symptoms may include the following: stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects: Not available.

Potential delayed effects: Not available.

Long term exposure

Potential immediate effects: Not available.

Potential delayed effects: Not available.

Potential chronic health effects: Not available.

Conclusion/Summary: Not available.

General: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Other information: No known significant effects or critical hazards.

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| Section 12. | ECOLOGICAL INFORMATION |
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12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|--|----------------------------------|----------|
| propan-2-ol | Acute LC50 1400000 to 1950000 µg/l Marine water | Crustaceans - Crangon crangon | 48 hours |
| | Acute LC50 4200000 µg/l Fresh water | Fish - Rasbora heteromorpha | 96 hours |
| Quaternary ammonium compounds, benzyl- C12-18-alkyldimethyl, chlorides | Acute LC50 0.31 mg/l | Fish | 96 hours |

Conclusion/Summary : Not available.

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|--|---|----------------|------|----------|
| Quaternary ammonium compounds, coco alkylbis (hydroxyethyl)methyl, nitrates (salts) | - | 20 % - 42 days | - | - |
| propan-2-ol | 301E Ready Biodegradability - Modified OECD Screening Test | 95 % - 21 days | - | - |

Conclusion/Summary : Not available.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| propan-2-ol | - | - | Readily |

12.3 Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| propan-2-ol | 0.05 | - | low |

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}): Not available.

Mobility: Not available.

12.5 Results of PBT and vPvB assessment

PBT: Not available.

vPvB: Not available.

12.6 Other adverse effects: No known significant effects or critical hazards.

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| Section 13. | DISPOSAL CONSIDERATIONS |
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Waste Treatment Methods

Disposal of Wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations

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| Section 14. | TRANSPORTATION INFORMATION |
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U.S. DOT Information: Basic Description: NON HAZARDOUS MATERIAL

IATA: Proper Shipping Name: NON HAZARDOUS MATERIAL

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| Section 15. | REGULATORY INFORMATION |
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United States Federal Regulations:

MSDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200.

CERCLA/Superfund, 40 CFR 117, 302: None of the chemicals are Section 302 hazards

SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:

Section 302 – Extremely hazardous substances (40 CFR 355):

---None of the chemicals are Section 302 hazards ---

Section 311/312 – Material Safety Data Sheet Requirements (40 CFR 370):

By our hazard evaluation, this product is non-hazardous.

Section 313 – List of Toxic Chemicals (40CFC 372):

---None of the chemicals are 313 Toxic Chemicals ---

Toxic Substance Control Act (TSCA): **All substances are TSCA listed.**

Resource Conservation and Recovery Act (RCRA 40 CFR 261) Subpart C & D:

Refer to Section 13 for RCRA classification.

Federal Water Pollution Control Act, Clean Water Act, 40 CFR 401.15 (formerly section 307) 40 CFR 116 (formerly section 311) ---None of the chemicals are listed ---

Clean Air Act: --- No Information ---

STATE REGULATIONS:

California Proposition 65: --- None of the chemicals are on the Proposition 65 list---

INTERNATIONAL REGULATIONS:

Canada WHMIS:

904 (1050 FR) Isopropanol is listed on Ingredient Disclosure List (SOR/88-64)

To the best of our ability, this MSDS is written in accordance to REACH Directive EC1907/2006 Annex II and GHS requirements. This product is not subject to REACH restrictions. It does not contain any candidates on the SvHC.

Sections 16. OTHER INFORMATION

NFPA Health: Can cause significant irritation
NFPA Fire: Will not burn
NFPA Instability: Stable
NFPA Reactivity: None



HMIS Health: Slight Hazard. Irritation or minor reversible injury possible.
HMIS Flammability: Minimal Hazard. Will not burn unless heated.
HMIS Reactivity: Minimal Hazard. Stable
HMIS Personal Protection: B. Safety glasses and protective gloves should be worn when handling this material.

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| 1 | HEALTH |
| 0 | FLAMMABILITY |
| 0 | REACTIVITY |
| B | PROTECTIVE EQUIPMENT |

LABEL INFORMATION:

For Shipping Label information refer to section 14
Product label warnings are as follows (Comparable CHIP Safety & Risk phrases are noted):

- Keep out of the reach of children (S2)

REVISION DATES, SECTIONS, REVISED BY:

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| 15-FEB-92, | Original release date |
| 02-APR-01, | Reviewed |
| 18-Feb-04, | New Format, mkb |
| 31-Jan-07 | Section 11 & 12, mkb |
| 28-Aug-09 | New address, Reach format, mkb |
| 22-Aug-11 | Section 9, VOC, mkb |
| 08-May-12 | GHS, mkb |
| 29-Apr-14 | SDS, mkb |
| 31-Jul-14 | Section 3, mkb |
| 25-Nov-14 | Section 2, mkb |
| 10-Dec-14 | Section 2, mkb |
| 13-Mar-15 | Reviewed, mkb |

ABBREVIATIONS USED: NE – Not Established, NA – Not Applicable, NIF – No Information Found

ABRIDGED LIST OF REFERENCES:

- Code of Federal Regulations (CFR)
- The Sigma-Aldrich Library of Regulatory and Safety Data
- Chemical Guide and OSHA Hazardous Communication Standard
- The Environmental Protection Agency (www.epa.gov)
- American National Standards Institute

To the best of our knowledge, the information contained herein is accurate.

However, neither ACL STATICIDE nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.