Safety Data Sheet

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

Section 1.	**CHEMICAL PRODUCT SECTION**

Identification: Product Name: STATICIDE® General Purpose
Product Number: # 2001, 2003, 530, 2001-5, 2001-2

Product description: Anti-static topical for non-porous surfaces
Product type: Water with surfactants
Application: Industrial applications, professional applications

Manufacturer: ACL Incorporated
840 W. 49th Place
Chicago, IL 60609

PH: (01) 847.981.9212 [U.S.A.]
FAX: (01) 847.981.9278 [U.S.A.]

US/Canada Emergency TEL: INFOTRAC: (01) 800.535.5053 (day or night)
International Emergency TEL: INFOTRAC: 352.323.3500 (day or night)

Section 2.	**HAZARDOUS IDENTIFICATION**

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

Storage Not a hazardous substance or mixture. See section 7 for storage details.
Disposal Dispose of contents in accordance with local and national regulations. See section 13 for disposal details.
Hazardous ingredients: *NA*
Supplemental label elements: NA
Annex XVII: Not applicable

Special packaging requirements
Containers to be fitted with child-resistant fastenings: Not applicable
Tactile warning of danger: Not applicable

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture

CHEMICAL	CAS	CLASSIFICATION	WEIGHT
Deionized Water	7732-18-5	Not classified	95 – 99
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	< .5
Isopropanol	67-63-0	Flam. Liq. 2; H225 Eye Irrit. 2A; H319 STOT SE 3; H336	< .5

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures
General Advice: If exposed or concerned: Get medical advice/attention

*Inhalation***:** If symptoms are experienced, remove the source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult give oxygen.

Eye Contact: Immediately flush eyes with large amounts of cold water for 15 minutes while holding eyelids open. If irritation persists, get medical attention.

*Skin Contact***:** If irritated, Wash with soap and water. Take off contaminated clothing and wash it before reuse. Get medical attention if irritation persists.

Ingestion: Clean mouth with water and drink afterwards plenty of water. If swallowed, seek medical attention.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. Wear gloves

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
4.3 Indication of any immediate medical attention and special treatment needed
No data

Section 5. FIRE FIGHTING MEASURES

Protective equipment and precautions for firefighters:
5.1 Extinguishing media
Suitable extinguishing media: Alcohol resistant foam, carbon dioxide (CO2). Dry chemical.
Unsuitable extinguishing media: Not determined

5.2 Special hazards arising from the substance or mixture Not determined.
5.3 Advice for firefighters
Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
5.4 Further information: No data available

Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment as required. For personal protection see section 8.

6.2 Environmental precautions
No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up
Containment: Prevent further leakage or spillage if safe to do so. Halt spill at source and contain or dike spill with inert absorbent material.
Clean up: Transfer liquid to containers for recovery or disposal. Shovel absorbent into drums for disposal in accordance with local, state and federal regulations.

6.4 Reference to other sections
For disposal see section 13.

Section 7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with eyes. For precautions see section 2.2
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.
7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place away from direct sunlight.
Storage Conditions: Ambient (40° - 90° F)
Incompatible Materials: None known based on information supplied.

7.3 Specific end use(s) Apart from the uses mentioned in section 1.2
Designed for interior industrial manufacturing. May be used to decay static on carpets and upholstery. May be used on composite materials for static control but will not withstand weathering.

Section 8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters
Occupational exposure limits

Component	OSHA PEL	ACGIH TLV	NIOSH REL
Isopropanol	400 ppm TWA ; 980 Mg/m^3 500 ppm STEL ; 1225 Mg/m^3	400 ppm TWA ; 983 Mg/m^3 500 ppm STEL ; 1230 Mg/m^3	400 ppm TWA 980 Mg/m^3 500 ppm STEL 1225 Mg/m^3

Recommended monitoring procedures: Not established

DNELs/DMELs: No DNELs/DMELs available.
PNECs: No PNECs available

8.2 Exposure controls
Appropriate engineering controls: Eyewash stations. Local Exhaust ventilation acceptable

Individual protection measures
Hygiene measures: Wash hands before eating, smoking and using the lavatory and at the end of the working period. When using, do not eat or drink. When using, do not smoke.
Eye/face protection: Ensure that eyewash stations are proximal to the work-station location**.** Splash Goggles are recommended for large spills.
Skin protection: Wear protective work clothing if necessary.
Hand protection: Gloves Recommended.
Body protection Wear lab coat.
Other skin protection: Ensure the safety showers are proximal to the work-station location.
Respiratory protection: None required in well ventilated areas.
Environmental exposure controls: For normal conditions, protection is not necessary.

In Case of Large Spill: Wear gloves, goggles, and protective work clothing.
The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear pale yellow liquid
Odor	Pleasant
pH	7.1
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)	2 estimate
Relative density	.99
Solubility(ies).	Miscible
Partition coefficient: n-octanol/water	NE
Autoignition temperature	NA
Decomposition temperature	NE
Viscosity	NE
Volatile by weight	>98.5%

9.2 Other safety information

VOC (g/l)	< 3.6

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity No data available
10.2 Chemical stability Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions None under normal procession
10.4 Conditions to avoid: Heat, flames and sparks. Extremes of temperature and direct sunlight.
10.5 Incompatible materials None known based on information supplied
10.6 Hazardous decomposition products: Hazardous Polymerization will not occur.
Other decomposition products
In the event of fire: see section 5

Section 11. TOXICOLOGY INFORMATION

11.1
Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Isopropanol	LD_{50} dermal LC_{50} inhalation LD_{50} oral	Rabbit Rat Rabbit	12,800 mg/kg 72.6 mg/l 6410 mg/kg	- 4 hours -
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates	LD_{50} oral	Rat	300 – 2,000 mg/kg	-

Conclusion/Summary: Not available

Irritation/Corrosion

Product/ingredient name	Result	Species	Exposure
Isopropanol	Eyes - Moderate irritant Eyes - Moderate irritant Eyes - Severe irritant Skin - Mild irritant	Rabbit Rabbit Rabbit Rabbit	24 hours 100 milligrams 10 milligrams 100 milligrams 500 milligrams
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates	Burns skin Risk of serious eye damage	Rabbit Rabbit	Read across analogy

Conclusion/Summary: Not available

Sensitization

Product/ingredient name	Result	Species	Test
Isopropanol	Does not cause skin sensitization	Guinea Pig	Bueler
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates	No data available		

Conclusion/Summary: Not available.

Mutagenicity

Product/ingredient name	Result	Species	Test
Isopropanol	Negative	Bacteria	Ames test Method: OECD Test Guideline 471
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates	Likely to be negative		Based on similar quaternary salts

Conclusion/Summary: Not available.

Carcinogenicity Conclusion/Summary:
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 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.

11.2 Primary route(s) of exposure/entry: Inhalation, Skin Contact.

11.3 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

Section 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
propan-2-ol	Acute LC50 1400000 to 1950000 µg/l Marine water Acute LC50 4200000 µg/l Fresh water	Crustaceans - Crangon crangon Fish - Rasbora heteromorpha	48 hours 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.

Section 13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).
13.1 Waste treatment methods

Product
Methods of disposal: Offer surplus and non-recyclable solutions to a licensed disposal company
Hazardous waste: The classification of the product does not meet the criteria for a hazardous waste.

Contaminated Packaging
Methods of disposal: Dispose of as unused product. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions:

RCRA 40 CFR 261 Classifications: As packaged and after use, it does not meet the criteria of a hazardous waste as defied under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it has neither the characteristics of Subpart C nor is listed in Subpart D.

Federal, State, and Local laws governing disposal of material can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14. TRANSPORTATION INFORMATION

U.S. DOT Information	Proper Shipping Name: Non Hazardous Material Hazard Class: NA
IATA	Proper Shipping Name: NON HAZARDOUS MATERIAL Hazard Class: NA
IMDG	Proper Shipping Name: NON HAZARDOUS MATERIAL Hazard Class: NA

Section 15. REGULATORY INFORMATION

US 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 – MSDS Requirements (40 CFR 370):
By our hazard evaluation, this product is non-hazardous.
Section 313 – List of Toxic Chemicals (40CFC 372):
This product does not contain chemicals on the 313 list of 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

Federal Water Pollution Control Act, Clean Water Act, 40 CFR 401.15 (formerly section 307) 40 CFR 116 (formerly section 311): **No products listed**

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.

1	HEALTH
0	FLAMMABILITY
0	REACTIVITY
B	PROTECTIVE EQUIPMENT

REVISION DATES, SECTIONS, REVISED BY:

15-Mar-92,	Original release date
02-APR-01,	Reviewed
17-Feb-04,	New Format, mkb
31-Jan-07	Section 11 & 12, mkb
28-Aug-09	New address, mkb
06-Mar-12	REACH updates, mkb
10-DEC-14	Section 2, mkb
13-Mar-15	Reviewed all sections, mkb
15-Jul-15	Added GHS elements, mkb

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

ABRIDGED LIST OF REFERENCES:
Code of Federal Regulations (CFR)
Chemical Guide and OSHA Hazardous Communication Standard
The Environmental Protection Agency (www.epa.gov)
ANSI Standard: ANSI Z400.1-1998
Merck Index
Directive EC1907/2006
UN ST/SG/AC.10/30/ GHS

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