Safety Data Sheet

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

Section 1 CHEMICAL PRODUCT SECTION

1.1 Identification: *:* Product Name: STATICIDE® Wipes
Product Number: #SW-12, SW12NDE, #2450
CAS: Mixture (see section 3)

1.2 Product description: Presaturated towelettes in individual pouch
Product type: Topical anti-stat mixed with isopropyl alcohol
Application: Industrial applications

1.3 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.]

Email of responsible party for SDS: marykay@aclstaticide.com

1.4 Emergency telephone*:*
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

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] & (US) OSHA HCS 2012:

2.1 Classification of the substance or mixture

Product definition: Mixture
Percentage of mixture consisting of ingredients of unknown toxicity: 0%

PHYSICAL/CHEMICAL HAZARDS Flammable liquid - Category 2
HUMAN HEALTH HAZARDS: Serious eye irritation - Category 2A
ENVIRONMENTAL HAZARDS: Not classified

Label Elements

Hazard Pictograms:

Signal Word: Danger

Hazard Statement:
H225: Highly flammable liquid and vapor
H319: Causes serious eye irritation

Precautionary Statement:
P102: Keep out of reach of children
P210: Keep away from heat/sparks/open flames/hot surfaces. No Smoking.
P233: Keep container tightly closed
P235 Keep Cool.
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P305, P313: If in the eyes: get medical attention.

Precautionary Statements Response:

P305+ P338 + P331: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Precautionary Statements – Storage: None required but manufacturer recommends:
P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F

Precautionary Statements – Disposal: None
2.3 Other Hazard: None

Section 3 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL	C.A.S.	Weight %	Classification
Deionized Water	7732-18-5	balance	None
Quaternary ammonium compounds, coco alkylbis (hydroxyethyl)methyl, nitrates	71487-00-8	< 0.5	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute): 1
Isopropanol	67-63-0	30-40	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Ethanol	64-17-5	< 1	Flam. Liq. 2. H225 Eye Irrit. 2A H319

Section 4 FIRST AID MEASURES

4.1.1 General Information

***4.1.2 Inhalation*:** Remove to fresh air. If not breathing, give artificial respiration. Oxygen may be administered if breathing is difficult. Seek medical attention.

***4.1.3 Skin*:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing and shoes before reuse. Seek immediate medical attention.
***4.1.4 Eyes*:** Check for and remove any contact lenses. Flush eyes with large amounts of water for 15 minutes. Cold water may be used. Get medical attention.

***4.1.5 Ingestion*:** DO NOT INDUCE VOMITING unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

***4.1.6 Self-protection of the first aider*:** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
***4.2 Most important symptoms and effects, both acute and delayed*:**
Potential acute health effects
Eye contact: Causes serious eye irritation.
Inhalation: Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness
Skin contact: No known significant effects or critical hazards.
Ingestion: Isopropyl alcohol can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms
Eye contact: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness

Skin contact: No specific data
Ingestion: No specific date

4.3*: *Indication of any immediate medical attention and special treatment needed: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhale

Section 5 FIRE FIGHTING MEASURES

General Hazard: If package is opened, the contents will burn.

5.1 Extinguishing Media

Suitable extinguishing media : Use dry chemical powder for small fires. For large fires, use alcohol foam, water spray or fog.
Unsuitable extinguishing media: No specific data

5.2 Specific hazards arising from substance or mixture

Flammable in presence of open flames, sparks and static discharge. Vapor may cause flash fire. No sparking tools should be used. Take precautionary measures against static discharges.
Hazardous thermal decomposition products: Carbon oxides (CO, CO_2), nitrogen oxides (NO, NO_2…)

5.3 Advice from fire fighters

Use an approved/certified respirator or equivalent. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Section 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation.
For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials

6.2 Environmental precautions Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material or containment and cleaning up

6.3.1 For containment: Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material.

6.3.2 For cleaning up Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. None

6.3.3 Other information: Keep away from heat. Keep away from sources of ignition.
6.4 Reference to other sections: For personal protection, see Section 8

Section 7 HANDLING AND STORAGE

7.1 Precautions for safe handling:

Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Harmful if swallowed. When handling, wear eye protection and rubber gloves. KEEP OUT OF REACH OF CHILDREN. Wash thoroughly after handling. Launder contaminated clothing/equipment before reuse.

7.2 Conditions for safe storage including incompatibilities:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area (between 18°C - 28°C / 64°F - 82°F) out of direct sunlight and away from incompatible materials (See STABILITY AND REACTIVITY Section 10). Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Follow all SDS and Label warnings even after container is emptied.

7.3 Specific end use(s): Anti-static topical for decaying static on non-porous surfaces. Use in interior applications for industrial manufacturing.

Section 8 EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters
Occupational exposure limits

ingredient name	OSHA PEL	ACGIH TLV	NIOSH REL	WEL UK
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	400 ppm TWA ; 999 mg/m^3 500 ppm STEL ; 1225 mg/m^3
Ethanol	1000 ppm TWA; 1900 mg/ m^3 1000 ppm STEL ;	1000 ppm TWA Upper Respiratory Tract irritation Confirmed animal carcinogen with unknown relevance to humans	1000 ppm TWA; 1900 mg/ m^3	

Recommended monitoring procedures: Not established
DNELs/DMELs: No DNELs/DMELs available.
PNECs: No PNECs available

8.2 Exposure controls:
8.2.1 Appropriate engineering controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. See section 2 for component exposure guidelines. Local Exhaust ventilation acceptable
8.2.2 Personal protective equipment Ensure the safety showers are proximal to the work-station location. Wear lab coat.
8.2.2.1 Eye and face protection Ensure that eyewash stations are proximal to the work-station location. Splash Goggles are recommended.
8.2.2.2 Skin protection Gloves Recommended: Solvex, Neoprene, Butyl, Buna or Natural Latex are acceptable
8.2.2.3 Respiratory protection Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
8.2.2.4 Thermal hazards : Wear appropriate thermal protective clothing, when necessary

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

In case of large spill: Splash goggles, full suit, vapor respirator, boots, gloves and a self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Applicator saturated with clear liquid.
Odor	alcohol
pH	NE
Melting point/freezing point	NE / NE
Initial boiling point and boiling range	Liquid = 80°C
Flash point and method	20°C – Penske Martens. (liquid)
Evaporation rate	(H2O=1) > 1
Flammability (solid, gas, liquid)	liquid
Upper/lower flammability or explosive limits	LEL: 2 UEL: 12
Vapor pressure	NE
Vapor density (air=1)	2.1 estimated
Relative density	NE
Solubility(ies).	Miscible
Partition coefficient: n-octanol/water	NE
Autoignition temperature	NA
Decomposition temperature	NE
Viscosity	NE
Volatile by weight	< 29 %
VOC (isopropanol)	0.66 gm / wipe

Section 10 STABILITY AND REACTIVITY

10.1 Reactivity: Stable under recommended storage conditions
10.2 Chemical stability: Stable under recommended storage conditions
10.3 Possibility of hazardous reactions: None under normal conditions. Hazardous polymerization will not occur under normal storage conditions.
10.4 Conditions to avoid: All possible sources of ignition
10.5 Incompatible materials: **S**trong oxidizing agents
10.6 Hazardous decomposition products: Carbon dioxide, Carbon monoxide, Formaldehyde oxides of carbon and various unidentified organic compounds.

Section 11 TOXICOLOGY INFORMATION

11.1 – 11.1.4 Information on toxicological effects
a) Acute toxicity: Mixture not classified (based on available data, the classification criteria are not met)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropanol	=6410 mg/kg (Rabbit)	=12,800 mg/kg (Rabbit)	=72.6 mg/l (Rat) 4 hours
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates	=300 – 2,000 mg/kg (Rat)	No data	No data

b) Skin Irritation/Corrosion: Mixture not classified (based on available data, the classification criteria are not met)

Product/ingredient name	Result	Species	Exposure
Isopropanol	Skin - Mild irritant	Rabbit	500 milligrams
quaternary ammonium compounds, coco alkylbis(hydroxyethyl) methyl, nitrates	Burns skin	Rabbit	Read across analogy

Conclusion/Summary: Not available

c) Eye Irritation/Corrosion: Mixture not classified (based on available data, the classification criteria are not met)

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

d) Respiratory or Skin Sensitization: Mixture not classified (based on available data, the classification criteria are not met)

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		

e) Germ Cell Mutagenicity: Mixture not classified (based on available data, the classification criteria are not met)

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

f) 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

***g) Reproductive toxicity*:** Mixture not classified (based on available data, the classification criteria are not met)

h) STOT-single exposure:

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

i) STOT-repeated exposure: Mixture not classified (based on available data, the classification criteria are not met)
j) Aspiration Hazard: Mixture not classified (based on available data, the classification criteria are not met)
Information on the likely routes of exposure: Not available.

***11.1.5 Primary route(s) of exposure/entry*:**

Eye Contact: Causes eye irritation
Skin Contact: May cause skin irritation**.**
Inhalation: Not a normal route of exposure. Do not inhale
Ingestion: Not a normal route of exposure. Do not ingest

11.1.6 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

11.1.7 Delayed and immediate effects as well as chronic effects from short and long-term exposure.
No data available
11.1.8 Interactive effects: No data available
11.1.9 Absence of specific data: Only hazardous or classified substances are listed in section 11.
11.1.10 Mixtures : Mixture is not toxic. See sections 5 and 10 for reactions.
11.1.11 Mixture versus substance information : Only hazardous or classified substances are listed in section
11.1.12 Other information: No known significant effects or critical hazards

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
Ethanol	LC50 < 14,200 mg/l NOEC < 9.6 mg/l EC50 < 275 mg/l	Pimephales promelas (fathead minnow) Daphnia (water flea) Chlorella vulgaris (fresh water algae)	96 hours 9days 72 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	-	-
Ethanol	-	-	-	-

Conclusion/Summary : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
propan-2-ol	-	-	Readily
Ethanol	-	-	95% Readily biodegradable

12.3 Bioaccumulative potential

Product/ingredient name		$LogP_{ow}$	BCF	Potential
propan-2-ol		0.05	-	Low
Ethanol	-	-		Not likely

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

13.1.1 Product / Packing Disposal
Product
Methods of disposal: Offer surplus and non-recyclable solutions to a licensed disposal company
Hazardous waste: RCRA 40 CFR 261 Classifications: Code D001 Ignitable Waste

Contaminated Packaging
Methods of disposal: Dispose of as unused product. Waste packaging should be recycled.

13.1.2 Waste treatment-relevant information: Incineration or landfill should only be considered when recycling is not feasible. Handle empty containers with care because residual vapors are flammable
13.1.3 Sewage disposal-relevant information: Avoid release to the environment
13.1.4 Other disposal recommendations: Federal, State, and Local laws governing disposal of material can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14 TRANSPORTATION INFORMATION

	Proper Shipping Name	Hazard Class	Packing Group	UN number	Limitations
US DOT ground	Non Hazardous Material	NA	NA	NA	NA
US DOT air	Non Hazardous Material	NA	NA	NA	NA
IATA	Non Hazardous Material	NA	NA	NA	NA
IMDG	Non Hazardous Material	NA	NA	NA	NA

This product consists of small inner packages that contain less than 10ml of flammable liquid. Each packet is sealed and leak proof. According CFR 172.102 this product falls under provision 47 and may be transported as a non-hazardous material.

Section 15 REGULATORY INFORMATION

SDS 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 – (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 (at level of 1% or greater) that are found on the 313 list of Toxic Chemicals.

Toxic Substance Control Act (TSCA): **All substances are TSCA listed.**
Federal Water Pollution Control Act, Clean Water Act, 40 CFR 401.15 (formerly section 307) 40 CFR 116 (formerly section 311): No Chemicals used in this product are listed.

STATE REGULATIONS:
California Proposition 65: No chemicals used in this product are on the Prop 65 list.

STATE	CHEMICAL	C.A.S. NUMBER	WEIGHT %
PA, NJ, MA	Isopropyl alcohol	67-63-0	30– 40
PA, NJ, MA	Ethanol	67-63-0	< 1

INTERNATIONAL REGULATIONS:

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

INTERNATIONAL REGULATIONS:

REACH: To the best of our ability, this SDS 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.

Canada WHMIS: This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.
904 (*1050 FR*) Isopropanol is listed on Ingredient Disclosure List (SOR/88-64)
Class B-2: Flammable liquid with a flash point lower than 37.8° C (100° F

15.2 Chemical Safety Assessment: No chemical safety assessment has been carried out

Sections 16 **OTHER INFORMATION**

NFPA Health: Can cause significant irritation
NFPA Fire: Above 73 Degrees, Below 100 Degrees F
NFPA Instability: Stable
NFPA Reactivity: None

REVISION DATES, SECTIONS, REVISED BY:

16-MAR-04,	Previous validation, mkb
29-May-07	Revised section 11, 15, mkb
28-Aug-09	New address, EU format, mkb
31-Aug-11	Revised sections 9, 15, mkb
31-Jan-12	Added risk phrases sections 2,3, mkb
09-May -12	Added GHS pictograms, mkb
28-Oct-14	Revised section 2, 7 and 9, mkb
12-Oct-17	Revised all sections, mkb
15-Mar-19	Revised section 9, mkb
12-Sep-22	Updated sections 3, 7, 11, and 12, Mary Kay Botkins

ABBREVIATIONS USED IN THIS DOCUMENT:
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)
ANSI Standard: ANSI Z400.1-1998
Merck Index

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