

## 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. 49<sup>th</sup> 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](mailto: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

#### 2.1 Classification of the substance or mixture

*Product definition:* Mixture

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

**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

<b>Section 3</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>
------------------	---

CHEMICAL	C.A.S.	Weight %	Classification
Deionized Water	7732-18-5	balance	None
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

<b>Section 4</b>	<b>FIRST AID MEASURES</b>
------------------	---------------------------

**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 inhaled

<b>Section 5</b>	<b>FIRE FIGHTING MEASURES</b>
------------------	-------------------------------

**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<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...)

**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.

<b>Section 6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
------------------	------------------------------------

**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

<b>Section 7</b>	<b>HANDLING AND STORAGE</b>
------------------	-----------------------------

**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.

<b>Section 8</b>	<b>EXPOSURE CONTROL / PERSONAL PROTECTION</b>
------------------	---

**8.1 Control parameters**

Occupational exposure limits

ingredient name	OSHA PEL	ACGIH TLV	NIOSH REL	WEL UK
Isopropanol	400 ppm TWA ; 980 Mg/m <sup>3</sup> 500 ppm STEL ; 1225 Mg/m <sup>3</sup>	400 ppm TWA ; 983 Mg/m <sup>3</sup> 500 ppm STEL ; 1230 Mg/m <sup>3</sup>	400 ppm TWA 980 Mg/m <sup>3</sup> 500 ppm STEL 1225 Mg/m <sup>3</sup>	400 ppm TWA ; 999 mg/m <sup>3</sup> 500 ppm STEL ; 1225 mg/m <sup>3</sup>
Ethanol	1000 ppm TWA; 1900 mg/ m <sup>3</sup> 1000 ppm STEL ;	1000 ppm TWA Upper Respiratory Tract irritation Confirmed animal carcinogen with unknown relevance to humans	1000 ppm TWA; 1900 mg/ m <sup>3</sup>	

**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.

<b>Section 9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
------------------	---

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	(H <sub>2</sub> O=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

<b>Section 10 STABILITY AND REACTIVITY</b>
--

**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:** Strong oxidizing agents

**10.6 Hazardous decomposition products:** Carbon dioxide, Carbon monoxide, Formaldehyde oxides of carbon and various unidentified organic compounds.

<b>Section 11 TOXICOLOGY INFORMATION</b>
--

**11.1 Information on toxicological effects**

**Acute toxicity**

Product/ingredient name	Result	Species	Dose
Isopropanol	LD <sub>50</sub> dermal	Rabbit	12,800 mg/kg
	LC <sub>50</sub> inhalation	Rat	72.6 mg/l
	LD <sub>50</sub> oral	Rabbit	6410 mg/kg

**Conclusion/Summary :** Not available

**Eye and Skin Irritation/Corrosion**

Product/ingredient name	Result	Species	Exposure
Isopropanol	Eye irritation	Rabbit	24 hours
	Mild skin irritation	Rabbit	

**Conclusion/Summary :** Not available

**Skin sensitization**

Product/ingredient name	Result	Species	Test
Isopropanol	Does not cause skin sensitization	Guinea Pig	Bueler

**Sensitization to the respiratory tract**

Product/ingredient name	Result	Species	Test
Isopropanol	No data available		

**Conclusion/Summary:** Not available.

**Mutagenicity**

Product/ingredient name	Result	Species	Test
Isopropanol	Negative	Bacteria	Ames test Method: OECD Test Guideline 471
Lactic Acid has been investigated as a mutagen.			

**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)** Inhalation, Oral - May cause drowsiness or dizziness.

**Specific target organ toxicity (repeated exposure):** Not available.

**Aspiration hazard:** Not available.

**Information on the likely routes of exposure:** Not available.

<b>Section 12</b>	<b>ECOLOGICAL INFORMATION</b>
-------------------	-------------------------------

**12.1 Toxicity**

Product/ingredient name	Result	Species	Exposure
Isopropanol	LC50 > 1,400 mg/l	Lepomis macrochirus (Bluegill sunfish)	96 hours
	EC50 > 2,285 mg/l	Daphnia (water flea)	48 hours
Ethanol	LC50 < 14,200 mg/l	Pimephales promelas (fathead minnow)	96 hours
	NOEC < 9.6 mg/l	Daphnia (water flea)	9days
	EC50 < 275 mg/l	Chlorella vulgaris (fresh water algae)	72 hours

**Conclusion/Summary :** Not available

**12.2 Persistence and degradability**

Product/ingredient name	Test	Result	Dose	Inoculum
Isopropanol	OECD Test Guideline 203	Not determined	-	-
Ethanol	-	-	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Isopropanol	-	-	Readily biodegradable
Ethanol	-	-	95% Readily biodegradable

**Conclusion/Summary :** Not available

**12.3 Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Isopropanol	Low value	-	Not likely
Ethanol	-	-	Not likely

**12.4 Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>):** 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. The ecological effects of this product have not been determined. The solvents in this product are not classified as toxic to aquatic organisms.

<b>Section 13</b>	<b>DISPOSAL CONSIDERATIONS</b>
-------------------	--------------------------------

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.

<b>Section 14</b>	<b>TRANSPORTATION INFORMATION</b>
-------------------	-----------------------------------

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

<b>Section 15</b>	<b>REGULATORY INFORMATION</b>
-------------------	-------------------------------

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 (40CFR 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

<b>Sections 16</b>	<b>OTHER INFORMATION</b>
--------------------	--------------------------

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

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](http://www.epa.gov))
- ANSI Standard: ANSI Z400.1-1998
- Merck Index



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.