

Safety Data Sheet

According to Regulation (EU) No. 2015/830 [CLP/GHS] & (US) OSHA HCS 29 CFR 1910.1200 rev.2012:

Section 1 CHEMICAL PRODUCT and COMPANY IDENTIFICATION

1.1 Identification: Product Name: STATICIDE® IPA Cleaning Wipes
Product Number: # 7600
CAS#: Mixture (see section 3)

1.2 Product description: Presaturated alcohol towelettes in canister
Product type: Cleaner
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/HazCom 2012:

2.1 Classification of the substance or mixture

Product definition: Mixture

Percentage of mixture consisting of ingredients of unknown toxicity: < 1%

PHYSICAL/CHEMICAL HAZARDS: flammable liquid and vapor– Category 3

HUMAN HEALTH HAZARDS: Serious eye damage / eye irritation - Category 2A

ENVIRONMENTAL HAZARDS: Not classified

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements: H225 Highly flammable liquid
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness.

Precautionary statements

Prevention:

Keep out of reach of children (P102)
Keep away from heat/sparks/open flames/hot surfaces. No Smoking. (P210)
Use explosion-proof electrical/ ventilating/ lighting/ equipment. (P241)

Use non-sparking tools (P242)
Take action to prevent static discharges (P243)
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. (P261)
Wash hands thoroughly after handling (P264)
Use only outdoors or in a well-ventilated area. (P271)
Wear protective gloves/protective clothing/eye protection/face protection (P280)

Response:

IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower (P303, P361, P353)
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. (P304, P340, P312)
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. (P337, P313)
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. (P370, P378)

Precautionary Statements – Storage:

Store in a well-ventilated place. Keep container tightly closed (P403+P233)
Store in a well-ventilated place. Keep cool. (P403+P233)
Store locked up (P405)

Precautionary Statements – Disposal: Dispose of contents/container to comply with local, state and federal regulations (P501)

2.3 Other Hazard: None known

Section 3	COMPOSITION / INFORMATION ON INGREDIENTS
------------------	---

3.1 Substances

Substance/Mixture : Mixture

CHEMICAL	CAS	Weight %	GHS Classification
Isopropyl alcohol	67-63-0	70	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Deionized water	7732-18-5	30	

Section 4	FIRST AID MEASURES
------------------	---------------------------

4.1.1 General Information: If exposed or concerned: Get medical advice/attention

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 data

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

Section 5	FIRE FIGHTING MEASURES
------------------	-------------------------------

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, CO₂), nitrogen oxides (NO, NO₂...)

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 flames, 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): Cleaning PCBs during manufacturing or rework and repair

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

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
------------------	---

9.1 Information on basic physical and chemical properties

Appearance	Colorless liquid
Odor	Alcohol
pH	NA
Melting point/freezing point	N.D
Initial boiling point and boiling range	>180F
Flash point and method	73 F CCCFP (ASTM D 6450)
Evaporation rate	N. D.
Flammability (solid, gas, liquid)	Liquid
Upper/lower flammability or explosive limits	2 (lower) / 12.7 (upper)
Vapor pressure	N.D
Vapor density (air=1)	N.D.
Relative density	N.D.
Solubility(ies).	Complete
Autoignition temperature	No Data
Decomposition temperature	No Data
Viscosity	ND
Volatile by weight	100

9.2 Other safety information

VOC (wt%)	65
VOC (lbs/gal)	4.75

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: Strong 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 Information on toxicological effects

Acute toxicity

a) Acute toxicity: Mixture not classified (based on available data, the classification criteria are not met)

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

Conclusion/Summary : Not available

b) Skin Irritation/Corrosion: 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

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

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

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	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
Lactic Acid has been investigated as a mutagen.			

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

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)

11.1.5 Primary route(s) of exposure/entry:

Eye Contact: Not a normal route of exposure.

Skin Contact: Not a normal route of exposure. Use good housekeeping practices

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: May include pain, irritation, watering, or redness

Inhalation: May include nausea, vomiting, headache, drowsiness, fatigue, dizziness, vertigo, unconsciousness.

Skin contact: May include irritation, redness, dryness, cracking.

Ingestion: May cause central nervous system depression, irritation to mouth, throat or stomach.

11.1.7 Delayed and immediate effects as well as chronic effects from short and long-term exposure.

Short term exposure: No data available

Long term exposure: No data available

Potential chronic health effects: 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:

Numerical measures of toxicity

Acute toxicity estimates: Isopropyl Alcohol; Oral (Route), 5178.6mg/kg (ATE value)

Section 12	ECOLOGICAL INFORMATION
-------------------	-------------------------------

12.1 Toxicity

Product/ingredient	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
	Acute LC50 1400000 to 1950000 µg/l	Crustaceans - Crangon crangon	48 hours
	Marine water	Fish - Gambusia affinis	96 hours
	Acute LC50 1400000 µg/l		

Conclusion/Summary : Not available

12.2 Persistence and degradability

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

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

Conclusion/Summary : Not available

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Isopropanol	Low value	-	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. The ecological effects of this product have not been determined. The solvents in this product are not classified as toxic to aquatic organisms.

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 vapours 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	Consumer Commodity	ORM-D	NA	NA	NA
US DOT air	Consumer Commodity	ORM-D	NA	NA	NA
IATA	Solids containing flammable liquid, N.O.S. (Isopropanol)	4.1	II	3175	NA
IMDG	Solids containing flammable liquid, N.O.S. (Isopropanol)	4.1	II	3175	NA

Section 15	REGULATORY INFORMATION
-------------------	-------------------------------

US Federal Regulations: SDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200.

CERCLA/Superfund, 40 CFR 117. 302:

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
No CERCLA chemicals	---	---	--

Section 302 – None of the chemicals are extremely hazardous substances (40 CFR 355).

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

Chemical Name	%	Fire	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Isopropanol	70	Yes	No	No	Yes	No

SARA Section 313:

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropanol	67-63-0	70	1.0

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.**

STATE REGULATIONS:

The following chemicals are specifically listed by individual state; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state

Chemical Name	New Jersey	New York	Massachusetts	Pennsylvania
Isopropanol CAS 67-63-0	X	X	X	X

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

California Safer Consumer Products list: Substances in this product are not candidates for the SCP.

INTERNATIONAL REGULATIONS:

CANADA WHMIS:

This SDS is written in accordance to the Hazardous Products Regulation (HPR) SOR/2015-17, schedule 1.
This product has been classified in accordance with the Hazardous Products Regulation (HPR).

All Intentionally present components are listed on the DSL

Ingredient Disclosure List (SOR/88-64):					
English	French	Substance	CAS	Threshold	Present in product
904	1050	Isopropanol	67-63-0	1	< 0.5

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

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

EUROPEAN UNION: European Union: Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

SDS complies with Regulation (EU) No. 2015/830 [CLP/GHS]

Regulation (EC) No 1005/2009 Ozone-depleting substances (ODS): Not chemicals listed.

Regulation (EC) No 649/2012, Annex 1, Chemicals subject to PIC: No chemicals listed

Regulation (EC) No 850/2004, Annex 1: No persistent organic pollutants present.

Directive 96/82/EC Seveso III, Annex 1:

Part 1- This product is not categorized as a dangerous substance.

Part 2- No chemicals listed.

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

Chemical Name	TSCA	DSL	ENCS	IECSC	KECL	PICCS	AICS
Isopropanol CAS 67-63-0	Present	X	Present	X	Present	X	X

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

Sections 16 OTHER INFORMATION

NFPA HAZARD RATING:

Fire: Flammable over 73F

Health: Can cause significant irritation

Reactivity: stable

Special Hazard: none



REVISION DATES, SECTIONS, REVISED BY:

- 30-MAY-14, Original release, Mary Kay Botkins
- 04-April-17 All sections updated to REACH format, MKB
- 10-Oct-18 All sections reviewed with minor updates, 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)
- 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.