

# Safety Data Sheet

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Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** SW12 Wipes, 2450

### Other means of identification

**SDS #** ACL-018

**UN/ID No** UN1219

### Recommended use of the chemical and restrictions on use

**Recommended use** For industrial use.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

ACL, Inc.  
840 West 49th Place  
Chicago, IL 60609  
(847) 981-9212

### Emergency telephone number

**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Liquid absorbed onto a towelette

**Physical state** Liquid

### Classification

Flammable liquids	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Category 3 Target organ effects: Narcotic effects.	

### Label elements



### Signal word

Danger

### Hazard statements

Highly flammable liquid and vapor.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling.  
 Avoid breathing dust, fume, gas, mist, vapors and spray.  
 Use only outdoors or in a well-ventilated area.  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Keep container tightly closed.  
 Ground and bond container and receiving equipment.  
 Use explosion-proof electrical, ventilating and lighting equipment.  
 Use only non-sparking tools.  
 Take action to prevent static discharges.  
 Wear protective gloves, eye protection and face protection.  
 Keep cool.

**Precautionary Statements - Response**

IF IN EYES: 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.  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Call a POISON CENTER or doctor if you feel unwell.  
 In case of fire: Use CO2, dry chemical, or foam to extinguish.

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed.  
 Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

**Other Information**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No.	Weight-%
Isopropanol	67-63-0	15-40
Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates	71487-00-8	0.1-1
Ethanol	64-17-5	<0.1
Diphenyl Oxide	101-84-8	<0.1

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST AID MEASURES**

**Description of first aid measures**

- 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**                      Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Inhalation**                          Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
- Ingestion**                          Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** May be harmful if inhaled. Causes serious eye irritation. May cause drowsiness or dizziness.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use CO2, dry chemical, or foam for extinction.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Highly flammable liquid and vapor.

**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.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**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** Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling** Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating / lighting / equipment. Use only non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing and eye/face protection. Keep cool.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in a well-ventilated place. Keep cool. Store locked up.

**Incompatible Materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Isopropanol 67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	TWA: 400 ppm; TWA: 980 mg/m <sup>3</sup> ; STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup> IDLH: 2000 ppm
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 1000 ppm; TWA: 1900 mg/m <sup>3</sup> ; IDLH: 3300 ppm
Diphenyl Oxide 101-84-8	TWA: 1 ppm vapor STEL: 2 ppm vapor fraction	TWA: 1 ppm vapor TWA: 7 mg/m <sup>3</sup> vapor (vacated) TWA: 1 ppm vapor (vacated) TWA: 7 mg/m <sup>3</sup> vapor	TWA: 1 ppm; vapor TWA: 7 mg/m <sup>3</sup> ; vapor IDLH: 100 ppm vapor

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Not determined
<b>Appearance</b>	Liquid absorbed onto a towelette	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Not determined		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	No data available	
Evaporation rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor Pressure	Not determined	
Relative vapor density	No data available	
Relative Density	Not determined	
Water Solubility	Not determined	

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	No data available	
Decomposition temperature	Not determined	
Kinematic viscosity	Not applicable	
Dynamic viscosity	Not determined	
Particle characteristics	No data available	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not reactive under normal conditions.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible materials**

None known based on information supplied.

**Hazardous decomposition products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Inhalation</b>	May be harmful if inhaled.
<b>Ingestion</b>	Do not ingest.

**Component Information**

<b>Chemical name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Isopropanol 67-63-0	4710 - 5840 mg/kg ( Rat )	= 4059 mg/kg ( Rabbit )	> 10000 ppm ( Rat ) 6 h
Trade Secret	= 850 mg/kg ( Rat )	= 2300 mg/kg ( Rabbit )	-
Trade Secret	-	= 2300 mg/kg ( Rabbit )	-
Ethanol 64-17-5	= 7060 mg/kg ( Rat )	-	= 116.9 mg/L ( Rat ) 4 h = 133.8 mg/L ( Rat ) 4 h
Diphenyl Oxide 101-84-8	= 2450 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	-

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Trade Secret	= 3600 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
Trade Secret	= 1390 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 0.18 mg/L ( Rat ) 7 h
Trade Secret	> 5000 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 2.99 mg/L ( Rat ) 4 h
Trade Secret	= 1370 mg/kg ( Rat )	= 1200 mg/kg ( Rabbit )	-
Trade Secret	= 2790 mg/kg ( Rat )	= 5610 mg/kg ( Rabbit )	-
Trade Secret	> 6400 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Trade Secret	= 2227 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-
Trade Secret	= 3730 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Trade Secret	= 3250 µL/kg ( Rat )	-	-
Trade Secret	= 3100 mg/kg ( Rat )	> 3000 mg/kg ( Rabbit )	> 5 mg/L ( Rat ) 4 h
Trade Secret	= 2220 mg/kg ( Rat )	= 1260 mg/kg ( Rabbit )	-
Trade Secret	= 3450 mg/kg ( Rat )	= 2650 mg/kg ( Rabbit )	-

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Please see section 4 of this SDS for symptoms.

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

**Serious eye damage/eye irritation** Causes serious eye irritation.

**Carcinogenicity** Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage. Group 3 IARC components are "not classifiable as human carcinogens". Nitrate or nitrite ingested under conditions that result in endogenous nitrosation are considered carcinogens.

Chemical name	ACGIH	IARC	NTP	OSHA
Isopropanol 67-63-0	A4 - Not Classifiable as a Human Carcinogen	Group 3		Present
Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates 71487-00-8		Group 2A - Probably carcinogenic to humans		Present
Ethanol 64-17-5	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans	Group 1 - Carcinogenic to humans	Known Human Carcinogen	Present

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Numerical measures of toxicity**

The following ATE values have been calculated for the mixture

- ATEmix (oral) 11,782.70 mg/kg
- ATEmix (dermal) 10,154.20 mg/kg
- ATEmix (inhalation-vapor) 75.30 mg/L

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information**

Chemical name	Algae/aquatic plants	Fish	Crustacea
Isopropanol 67-63-0	EC50: >1000mg/L (96h, Desmodesmus subspicatus) EC50: >1000mg/L (72h, Desmodesmus subspicatus)	LC50: =9640mg/L (96h, Pimephales promelas) LC50: =11130mg/L (96h, Pimephales promelas) LC50: >1400000µg/L (96h, Lepomis macrochirus)	EC50: =13299mg/L (48h, Daphnia magna)
Ethanol 64-17-5		LC50: 12.0 - 16.0mL/L (96h, Oncorhynchus mykiss) LC50: >100mg/L (96h, Pimephales promelas) LC50: 13400 - 15100mg/L (96h, Pimephales promelas)	LC50: 9268 - 14221mg/L (48h, Daphnia magna) EC50: =2mg/L (48h, Daphnia magna)
Diphenyl Oxide 101-84-8		LC50: =4mg/L (96h, Pimephales promelas) LC50: 4 - 7.9mg/L (96h, Pimephales promelas)	LC50: 0.11 - 1.1mg/L (48h, Daphnia magna)
Trade Secret		LC50: =22mg/L (96h, Danio rerio)	
Trade Secret		LC50: 2.2 - 4.6mg/L (96h, Brachydanio rerio)	EC50: =10.7mg/L (48h, Daphnia magna)
Trade Secret	EC50: =88.3mg/L (96h, Desmodesmus subspicatus)	LC50: =27.8mg/L (96h, Oncorhynchus mykiss)	EC50: =20mg/L (48h, Daphnia magna)
Trade Secret		LC50: =1.03mg/L (96h, Danio rerio)	

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

There is no data for this product.

**Mobility**

Chemical name	Partition coefficient
Isopropanol 67-63-0	0.05
Ethanol 64-17-5	-0.35
Diphenyl Oxide 101-84-8	4.21

**Other adverse effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Disposal 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.

**California Hazardous Waste Status** This product contains one or more substances that are listed with the State of California as a hazardous waste

Chemical name	California Hazardous Waste Status
Isopropanol 67-63-0	Toxic Ignitable
Ethanol 64-17-5	Toxic Ignitable

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**  
**UN/ID No** UN1219  
**Proper Shipping Name** Isopropanol Solution  
**Transport hazard class(es)** 3  
**Packing Group** II

**IATA**  
**UN number or ID number** UN1219  
**Proper Shipping Name** Isopropanol Solution  
**Transport hazard class(es)** 3  
**Packing group** II

**IMDG**  
**UN number or ID number** UN1219  
**Proper Shipping Name** Isopropanol Solution  
**Transport hazard class(es)** 3  
**Packing Group** II

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AIIC
Isopropanol	X	ACTIVE	X	X	X	X	X	X	X
Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates	X	ACTIVE	X			X	X		
Trade Secret	X	ACTIVE	X	X		X	X	X	X
Trade Secret	X	ACTIVE	X	X	X	X	X	X	X
Trade Secret	X			X		X			
Ethanol	X	ACTIVE	X	X	X	X	X	X	X
Diphenyl Oxide	X	ACTIVE	X	X	X	X	X	X	X
Trade Secret	X	ACTIVE	X	X	X	X	X	X	X
Trade Secret	X	ACTIVE	X	X	X	X	X	X	X
Trade Secret	X	ACTIVE	X	X	X	X		X	X
Trade Secret	X	ACTIVE	X			X	X	X	X
Trade Secret	X	ACTIVE	X	X	X	X	X	X	X
Trade Secret	X	ACTIVE	X	X	X	X	X	X	X
Trade Secret	X	ACTIVE	X	X	X	X	X	X	X

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Trade Secret	X	ACTIVE	X	X	X	X	X	X	X
Trade Secret	X	ACTIVE	X	X	X	X	X	X	X
Trade Secret	X	ACTIVE	X	X	X	X	X	X	X
Trade Secret	X	ACTIVE	X	X	X	X	X	X	X
Trade Secret	X	ACTIVE	X	X	X	X	X	X	X

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing Chemicals Inventory
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Isopropanol - 67-63-0	67-63-0	15-40	1.0

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**

Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage

Chemical name	California Proposition 65
Ethanol - 64-17-5	Carcinogen Developmental

**U.S. State Right-to-Know Regulations**

This product contains the following State Right-to-Know chemicals:

Chemical name	New Jersey	Massachusetts	Pennsylvania
Isopropanol 67-63-0	X	X	X
Methyl bis(2-hydroxyethyl) cocoalkyl quaternary ammonium nitrates 71487-00-8	X		
Ethanol 64-17-5	X	X	X
Diphenyl Oxide 101-84-8	X	X	X

**16. OTHER INFORMATION****NFPA**  
**HMIS**Health hazards -  
Health hazards -Flammability -  
Flammability -Instability -  
Physical hazards -Special hazards -  
Personal protection -

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**