

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® Acrylic Dissipative Floor Finish
Product Number: # 4000-1, 4000-2, 4000-5

Recommend use: Anti-static floor finish to be used for industrial floor applications
Product type: Floor polish, liquid mixture
Application: Industrial applications, professional applications

Manufacturer: ACL Incorporated
840 W. 49th Place
Chicago, IL 60609
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Emergency telephone: INFOTRAC: (01) 800.535.5053 (day or night)

Section 2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Product definition: Mixture

GHS-US classification

Physical/chemical hazards: Not classified

Human health hazards:

Skin corrosion/irritation: Cat 2

Serious eye damage/eye irritation: Cat 2

Environmental hazards: Not classified

Label Elements

Hazard Pictograms:



Signal Word: Warning

Hazard Statement:

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary Statements Prevention:

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

P281 - Use personal protective equipment as required

P264 - Wash face, hands and any exposed skin thoroughly after handling

Wear eye/face protection

Precautionary Statements Response:

If exposed or concerned: Get medical advice/attention
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P362 - Take off contaminated clothing and wash before reuse
P332 + P313 - If skin irritation occurs: Get medical advice/attention

Precautionary Statements – Storage: Store locked up

Precautionary Statements – Disposal: Dispose of contents/container to an approved waste disposal plant

Other Hazards: Unknown acute toxicity 14.625635% of the mixture consists of ingredients of unknown toxicity.

Section 3	INFORMATION ON HAZARDOUS INGREDIENTS
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CHEMICAL	CAS	Weight %	GHS Classification
Deionized water	7732-18-5	balance	Not classified
Styrene Acrylic Copolymer	28263-96-9	10 – 30	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
2- (2-ethoxyethoxy) ethanol	111-90-0	< 5	Not classified
Tributoxyethyl phosphate	78-51-3	<3	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; Aquatic Acute 3; Aquatic Chronic 3; H312 + H332, H315, H319, H335, H412
Zinc Oxide	1314-13-2	<1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ammonium hydroxide	1336-21-6	<1	STOT SE3 Aquatic Tox 1 Skin Corr 1B

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.

Section 4	FIRST AID MEASURES
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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.

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: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/ attention.

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

Causes skin irritation. Causes serious eye irritation. 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

Treat symptomatically.

Section 5	FIRE FIGHTING MEASURES
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Protective equipment and precautions for firefighters:

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO₂). Dry chemical.

Unsuitable extinguishing media: Not determined

5.2 Special hazards arising from the substance or mixture:

Hazardous Combustion Products: Toxic gases may be released.

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
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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
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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.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place away from direct sunlight. Store locked up.

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 static control areas in electronics manufacturing.

Section 8 EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Zinc Oxide 1314-13-2	STEL: 10 mg/m ³ respirable fraction TWA: 2 mg/m ³ respirable fraction	TWA: 5 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 5 mg/m ³ fume (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction (vacated) STEL: 10 mg/m ³ fume (vacated)	IDLH: 500 mg/m ³ Ceiling: 15 mg/m ³ dust TWA: 5 mg/m ³ dust and fume STEL: 10 mg/m ³ fume

8.2 Exposure controls

Appropriate engineering controls

Engineering Controls: Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment

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: Wear approved safety goggles with side shields. Safety goggles with side shields 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. An approved organic vapor full face respirator is advised for poorly 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	Milky White Liquid
Odor	Mild odor
Odor threshold	Not determined
pH	8 - 9
Melting point/freezing point	0°C / 32°F
Initial boiling point and boiling range	100°C / 212°F
Flash point and method	Non flammable
Evaporation rate (butyl acetate = 1)	< 1 to water
Flammability (solid, gas, liquid)	Not flammable / stable
Upper/lower flammability or explosive limits	Not established
Vapor pressure	Not established
Vapor density (air=1)	1
Relative density	Not determined

Solubility(ies).	Miscible
Partition coefficient: n-octanol/water	Not established
Autoignition temperature	Greater than 121.1 °C / 250 °F
Decomposition temperature	Not established
Viscosity (kinematic)	20
Volatile by weight	Not determined

9.2 Other safety information

Solids	20% +/- ½ %
VOC	< 4 %

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 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: Toxic gases may be released.

In the event of fire: see section 5

Section 11 TOXICOLOGY INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2- (2-ethoxyethoxy) ethanol 111-90-0	= 960 mg/kg (Rat)	= 2100 µL/kg (Rabbit) = 3 mL/kg (Rat)	2620 mg/m ³ (Rat) 4 h
tributoxyethyl phosphate 78-51-3	= 3000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 6.4 mg/L (Rat) 4 h
Zinc Oxide 1314-13-2	> 5000 mg/kg (Rat)	-	-
Ammonium hydroxide 1336-21-6	= 350 mg/kg (Rat)	-	-

Conclusion/Summary: Not available

Irritation/Corrosion

Chemical Name	Result	Species	Exposure
2- (2-ethoxyethoxy) ethanol 111-90-0	Mild skin irritation Mild eye irritation	Rabbit Rabbit	--- ---
tributoxyethyl phosphate 78-51-3	No data available	---	---
Zinc Oxide 1314-13-2	Mild skin irritation Mild eye irritation	Rabbit Rabbit	24h 24h
Ammonium hydroxide 1336-21-6	No data available	---	---

Conclusion/Summary: Not available

Sensitization

Product/ingredient name	Result	Species	Test
2- (2-ethoxyethoxy) ethanol	No data available	---	---

111-90-0			
tributoxyethyl phosphate 78-51-3	No data available	---	---
Zinc Oxide 1314-13-2	No data available	---	---
Ammonium hydroxide 1336-21-6	No data available	---	---

Conclusion/Summary: Not available

Mutagenicity

Product/ingredient name	Result	Species	Test
2- (2-ethoxyethoxy) ethanol 111-90-0	No data available	---	---
tributoxyethyl phosphate 78-51-3	negative	Hamster ovary Mouse (male & female)	micronucleus test
Zinc Oxide 1314-13-2	No data available	---	---
Ammonium hydroxide 1336-21-6	No data available	---	---

Conclusion/Summary: Not available

Carcinogenicity:

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: No information available.

11.2 Primary route(s) of exposure/entry:

Eye Contact: Causes serious eye irritation

Skin Contact: Causes skin irritation

Inhalation: Do not inhale

Ingestion: Do not ingest

11.3 Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Causes serious eye irritation.

Inhalation: No data available

Skin contact: Causes skin irritation.

Ingestion: No data available

Section 12

ECOLOGICAL INFORMATION

12.1 Toxicity: 17.03213% of the mixture consists of components of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2- (2-ethoxyethoxy) ethanol 111-90-0	500: 72 h Desmodesmus subspicatus mg/L EC50	7500: 96 h Lepomis macrochirus mg/L LC50 static 7500: 96 h Lepomis macrochirus mg/L LC50 5741: 96 h Pimephales promelas mg/L LC50	EC50 > 10000 mg/L 17 h	500: 48 h Daphnia magna mg/L EC50
tributoxyethyl phosphate 78-51-3		10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through		
Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ammonium hydroxide 1336-21-6		8.2: 96 h Pimephales promelas mg/L LC50		0.66: 48 h water flea mg/L EC50 0.66: 48 h Daphnia pulex mg/L EC50

12.2 Persistence and degradability: Not determined

12.3 Bioaccumulative potential: Not determined

12.4 Mobility in soil

Chemical Name	Partition Coefficient
Diethylene glycol monoethyl ether CAS No 111-90-0	-0.682
tributoxyethyl phosphate 78-51-3	4.78

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 defined 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.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Zinc Oxide CAS#1314-13-2	Toxic
Ammonium hydroxide CAS# 1336-21-6	Toxic ; Corrosive

Section 14 TRANSPORTATION INFORMATION

	Proper Shipping Name	Hazard Class	UN number	NOTE
US DOT ground	Non Hazardous Material	NA	NA	
US DOT air	Non Hazardous Material	NA	NA	
IATA	Non Hazardous Material	NA	NA	
IMDG	Non Hazardous Material	NA	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)
Ammonium hydroxide 1336-21-6	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

SARA Section 313:

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Diethylene glycol monoethyl ether CAS No 111-90-0	111-90-0	<5	1.0
Zinc Oxide - 1314-13-2	1314-13-2	<1	1.0
Ammonium hydroxide - 1336-21-6	1336-21-6	<1	1.0

CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc Oxide		X		
Ammonium hydroxide	1000 lb			X

Toxic Substance Control Act (TSCA): All substances are TSCA listed.

STATE REGULATIONS:

The following chemicals are specifically listed by individual state; other product specific health and safety data in other sections of the SDS 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	Massachusetts	Pennsylvania
Diethylene glycol monoethyl ether CAS No 111-90-0	X	X	X
Zinc Oxide 1314-13-2	X	X	X
Ammonium hydroxide 1336-21-6	X	X	X

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

INTERNATIONAL REGULATIONS:

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.

Chemical Name	TSCA	SL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Diethylene glycol monoethyl ether CAS No 111-90-0	Present	X		Present		Present	X	Present	X	X
Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
tributoxyethyl phosphate	Present	X		Present		Present	X	Present	X	X
Zinc Oxide	Present	X		Present		Present	X	Present	X	X
Ammonium hydroxide	Present	X		Present		Present	X	Present	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 and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*
- AICS - Australian Inventory of Chemical Substances*

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

LABEL INFORMATION: For Shipping Label information refer to section 14
 Product label warnings in section 2

REVISION DATES, SECTIONS, REVISED BY:

- 15-MAY-98 Original release date, km
- 02-APR-01 Reviewed, km
- 08-APR-04 Revised sections 2, 5, 6,7,9,10,13 &15 mkb
- 20-Oct-06 Revised Section 2, 11 & 15, mkb
- 10-APR-07 Revised Section 2, 15, 16 mkb
- 01-JAN -09 Updated to REACH format, mkb
- 14- May-12 Revised sections 3 and 15, mkb
- 09-Jul-14 Updated risk phrases, mkb
- 05-Mar-15 GHS updates, mkb
- 22-DEC-15 Updated sections 2 & 3, mkb
- 09-FEB-16 Corrections section 12 & 15, 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
US Department of Labor; Occupational Safety & Health Administration (www.osha.gov)
The Environmental Protection Agency (www.epa.gov)
The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)
Government of Canada: <http://canadagazette.gc.ca/news-e.html>
European Commission: (<http://esis.jrc.ec.europa.eu>)
UN ST/SG/AC.10/30/ GHS

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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.