

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® Ultra Floor Finish
Product Number: # 4600-1, 4600-2, 4600-5

Recommend use: Anti-static floor finish to be used for industrial floor applications
Synonym: Floor polish

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.]

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

Skin corrosion/irritation: Cat 2

Serious eye damage/eye irritation: Cat 2

Reproductive toxicity: Cat 2

Label Elements

Hazard Pictograms:



Signal Word: Warning

Hazard Statement:

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H361 - Suspected of damaging fertility or the unborn child

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: Toxic to aquatic life with long lasting effects

Section 3	INFORMATION ON HAZARDOUS INGREDIENTS
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CHEMICAL	C.A.S. Number	Weight %
Ammonium Hydroxide	1336-21-6	< 1
Tri(butoxyethyl) Phosphate	78-51-3	< 3
Glycol Ether DM	111-77-3	< 4
Zinc Oxide Complex	1314-13-2	< 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.

Section 4	FIRST AID MEASURES
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PRIMARY ROUTE(S) OF EXPOSURE / ENTRY: Inhalation, Skin Contact.

General Advice: If exposed or concerned: Get medical advice/attention.

Inhalation: Move to fresh air and contact a physician if symptoms persist.

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.

Section 5	FIRE FIGHTING MEASURES
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Suitable Extinguishing Media: Carbon dioxide (CO2). Dry chemical.

Unsuitable Extinguishing Media: Not determined.

Specific Hazards Arising from the Chemical: Not determined.

Hazardous Combustion Products: Toxic gases may be released.

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.

Section 6	ACCIDENTAL RELEASE MEASURES
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Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment as required

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: Halt spill at source and contain or dike spill with inert absorbent material. Transfer liquid to containers for recovery or disposal. Shovel absorbent into drums for disposal in accordance with local, state and federal regulations

Section 7 HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling: 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. Use personal protective equipment as required. Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Store locked up

Incompatible Materials: None known based on information supplied.

Section 8 EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Guidelines

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

Appropriate engineering controls

Engineering Controls: Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment

Respirator: None required in well ventilated areas. An approved organic vapor full face respirator is advised for poorly ventilated areas.

Skin and Body Protection: Wear rubber gloves. Wear protective work clothing

Eye Protection: Wear approved safety goggles with side shields.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Milky White Liquid
Odor	Mild odor
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 (H ₂ O=1)	1
Flammability (solid, gas, liquid)	Not flammable / stable
Upper/lower flammability or explosive limits	NE
Vapor pressure	NE
Vapor density (air=1)	< 1

Water solubility.	Miscible
Partition coefficient: n-octanol/water	NE
Autoignition temperature	Greater than 250° F
Decomposition temperature	NE
Kinematic Viscosity	20
Dynamic viscosity	NE
Explosive properties	NE
VOC	< 5%
Solids	20% +/- ½ %

Section 10 STABILITY AND REACTIVITY

Reactivity: Stable under recommended storage conditions
Chemical Reactivity: Stable under recommended storage conditions
Possibility of Hazardous Reactions: None under normal procession
Hazardous Polymerization: Under normal conditions of storage and use, will not occur
Conditions to Avoid: Keep away from heat, flames, and sparks.
Incompatible Materials: None known based on information supplied
Hazardous Decomposition: Toxic gases may be released.

Section 11 TOXICOLOGY INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact: Causes serious eye irritation

Skin Contact: Causes skin irritation

Inhalation: Do not inhale

Ingestion: Do not ingest

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Diethylene glycol monomethyl ether 111-77-3	= 4 mL/kg (Rat)	= 2500 µL/kg (Rabbit)	-
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)	-	-

Information on physical, chemical and toxicological effects

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

Carcinogenicity: Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity: Suspected of damaging fertility or the unborn child

Numerical measures of toxicity:

Not determined

Section 12	ECOLOGICAL INFORMATION
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Ecotoxicity

Toxic to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Diethylene glycol monomethyl ether 111-77-3	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

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Chemical Name	Partition Coefficient
Diethylene glycol monomethyl ether 111-77-3	-0.682
tributoxyethyl phosphate 78-51-3	4.78

Other Adverse Effects

Not determined

Section 13	DISPOSAL CONSIDERATIONS
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Waste Treatment 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

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

Section 14 TRANSPORTATION INFORMATION

U.S. DOT Information: Basic Description: NON HAZARDOUS MATERIAL
Proper Shipping Name: NA
IATA: Proper Shipping Name: NON HAZARDOUS MATERIAL

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 monomethyl ether - 111-77-3	111-77-3	<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 monomethyl ether 111-77-3	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:

Chemical Name	TSCA	SL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Diethylene glycol monomethyl ether	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

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.

Sections 16.	OTHER INFORMATION
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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	Completed to US GHS, 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

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.