Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Section 1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION

1.1 Identification:

Product Name: STATICIDE® Anti-Static Floor Stripper
Product Number: # 4010-1, #4010-2, #4010-5

Product description: Used to remove water-based floor finishes
Product type: Liquid mixture
Application: Industrial applications, professional applications

1.3 ***Manufacturer:*** ACL, Inc.
840 W. 49th Place
Chicago, IL 60609
Telephone: (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

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*:*
Not Classified

HUMAN HEALTH HAZARDS:
Skin corrosion/irritation Category 1

ENVIRONMENTAL HAZARDS:
Not Classified

Ingredients of unknown toxicity: Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 0%
See Section 11 for more detailed information on health effects and symptoms

2.2 Label elements

Hazard Pictograms:

Signal Word: Danger

Hazard Statement:
Causes severe skin burns and eye damage

Precautionary Statements Prevention:
Do not breathe dusts or mists
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements Response:
Do not breathe dust/fume/gas/mist/vapors/spray
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

IF INHALED: Remove person to fresh air and keep comfortable for breathing
Immediately call a POISON CENTER or doctor
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Precautionary Statements – Storage: Store locked up
Precautionary Statements – Disposal: Dispose of contents/container to an approved waste disposal plant
2.3 Other Hazard: Not determined

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

CHEMICAL	CAS	Weight %	GHS Classification
Monoethanolamine	141-43-5	< 3	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Corr. 1B (H314)
Ethylene Glycol Butyl Ether	111-76-2	< 5	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)
Sodium Metasilicate	6834-92-0	< 5	Skin Corr. 1B (H314) STOT SE 3 (H335)
Alcohols, C9-11 ethoxylated	68439-46-3	< 5	Not classified
Deionized water	7732-18-5	balance	Not classified

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

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

4.1.2 Inhalation Remove to fresh air. Call a physician or poison control center immediately.
***4.1.3 Skin*:** Wash off immediately with plenty of water. If skin irritation persists, call a physician.
4.1.4 Eyes Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediately call a poison center or doctor/physician.

***4.1.5 Ingestion**:*: DO NOT INDUCE VOMITING. Drink promptly a large quantity of milk, egg whites, gelatin solution; or if they are not available, drink large quantities of water. Immediately call a poison center or doctor/physician.

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*:**
Potential acute health effects
Eye contact: Causes eye damage
Inhalation: No specific data
Skin contact: Causes severe skin burns
Ingestion: May cause severe burns to mouth, throat or stomach.

Over-exposure signs/symptoms
Eye contact: No specific data
Inhalation: No specific data
Skin contact: No specific data
Ingestion: No specific data

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Section 5. FIRE FIGHTING MEASURES

Protective equipment and precautions for firefighters:

5.1 Extinguishing media
Suitable extinguishing media: Water spray (fog). Carbon dioxide (CO2). Dry chemical. Foam.
Unsuitable extinguishing media: Not determined

5.2 Special hazards arising from the substance or mixture: Material is corrosive.
Hazardous Combustion Products: Under fire conditions, toxic and irritating fumes may be emitted. Carbon oxides.

5.3 Advice for firefighters
Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

5.4 Further information: No data

Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
For non-emergency personnel: Use personal protective equipment as required.

For emergency responders: Use personal protection recommended in Section 8.

6.2 Environmental precautions Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS

6.3 Methods and material or containment and cleaning up

6.3.1 For containment: Prevent further leakage or spillage if safe to do so

6.3.2 For cleaning up: Mop up or otherwise absorb with an inert material and place in an appropriate waste disposal container for disposal. Clean up in accordance with all applicable regulations

6.3.3 Other information: None
6.4 Reference to other sections: For disposal see section 13.

Section 7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Do not breathe vapors or spray mist. Wash face, hands, and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep locked up and out of reach of children.
Storage Conditions: Ambient (40° - 90° F / 4°C - 32°C)
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 removing static dissipative floor finish usually found in static controlled areas in electronics manufacturing or data centers.

Section 8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters
Occupational exposure limits

Chemical Name	OSHA	ACGIH (TLV)	NIOSH	California
Monoethanolamine 141-43-5	TWA: 3 ppm 6 mg/m3 Table Z-1 Limits for Air Contaminants	TWA: 3 ppm TWA: 3.000000 ppm STEL : 6 ppm Eye irritation Skin irritation	TWA: 3.000000 ppm 8.000000 mg/m3	PEL: 3 ppm 8 mg/m3 STEL: 6 ppm 15 mg/m3
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 50.000000 ppm 240.000000 mg/m3	TWA: 20.000000 ppm Upper Respiratory Tract irritation Eye irritation	TWA: 5.000000 ppm 24.000000 mg/m3 Potential for dermal absorption	PEL: 20 ppm 97 mg/m3 Skin

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Monoethanolamine 141-43-5	TWA: 1 ppm TWA: 2.5 mg/m^3 Skin	STEL: 3 ppm STEL: 7.6 mg/m^3 TWA: 1 ppm TWA: 2.5 mg/m^3 Skin	TWA: 1 ppm TWA: 2.5 mg/m^3 STEL: 3 ppm STEL: 7.6 mg/m^3	S* STEL: 3 ppm STEL: 7.5 mg/m^3 TWA: 1 ppm TWA: 2.5 mg/m^3	TWA: 2 ppm TWA: 5.1 mg/m^3 Ceiling / Peak: 4 ppm Ceiling / Peak: 10.2 mg/m^3
Ethylene Glycol Monobutyl Ether 111-76-2	S* TWA 20 ppm TWA 98 mg/m^3 STEL 50 ppm STEL 246 mg/m^3	STEL: 50 ppm STEL: 246 mg/m^3 TWA: 25 ppm TWA: 123 mg/m^3 Skin	TWA: 10 ppm TWA: 49 mg/m^3 STEL: 50 ppm STEL: 246 mg/m^3	S* STEL: 50 ppm STEL: 245 mg/m^3 TWA: 20 ppm TWA: 98 mg/m^3	TWA: 10 ppm TWA: 49 mg/m^3 Ceiling / Peak: 20 ppm Ceiling / Peak: 98 mg/m^3 Skin

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Monoethanolamine 141-43-5	Skin STEL 3 ppm STEL 7.6 mg/m^3 TWA: 1 ppm TWA: 2.5 mg/m^3	STEL: 4 ppm STEL: 10 mg/m^3 TWA: 2 ppm TWA: 5 mg/m^3	STEL: 7.5 mg/m^3 TWA: 2.5 mg/m^3	TWA: 1 ppm TWA: 2.5 mg/m^3 Skin STEL: 3 ppm STEL: 5 mg/m^3	TWA: 1 ppm TWA: 2.5 mg/m^3 STEL: 3 ppm STEL: 7.6 mg/m^3 Skin
Ethylene Glycol Monobutyl Ether 111-76-2	Skin STEL 40 ppm STEL 200 mg/m^3 TWA: 20 ppm TWA: 98 mg/m^3	Skin STEL: 20 ppm STEL: 98 mg/m^3 TWA: 10 ppm TWA: 49 mg/m^3	STEL: 200 mg/m^3 TWA: 98 mg/m^3	TWA: 10 ppm TWA: 50 mg/m^3 Skin STEL: 20 ppm STEL: 75 mg/m^3	TWA: 20 ppm TWA: 98 mg/m^3 STEL: 50 ppm STEL: 246 mg/m^3 Skin

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 Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations.
8.2.2 Personal protective equipment 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
8.2.2.3 Respiratory protection Under normal conditions, respirator is not normally required.
8.2.2.4 Thermal hazards: No data

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	Clear red liquid
Odor	Slight solvent

pH	10.9 – 11.9
Melting point/freezing point	Not determined
Initial boiling point and boiling range	100°C / 212°F
Flash point and method	Non flammable
Evaporation rate (H2O=1)	1
Flammability (solid, gas, liquid)	Not flammable / stable
Upper/lower flammability or explosive limits	Not established
Vapor pressure	Equal to water
Vapor density (air=1)	Equal to water
Relative Density	1.050
Water solubility.	Complete
Partition coefficient: n-octanol/water	Not established
Autoignition temperature	Not established
Decomposition temperature	Not established
Kinematic Viscosity	Not established
Dynamic viscosity	Not established
Explosive properties	Not established

9.2 Other safety information

VOC	<6% by weight; 100 g/l (concentrate); 20g/l (diluted)
Specific Gravity	1.050

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 Hazardous Polymerization will not occur in normal conditions.
10.4 Conditions to avoid: None
10.5 Incompatible materials Strong acids and oxidizers
10.6 Hazardous decomposition products: Burning produces irritating and toxic fumes. Oxides of carbon.
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
Ethylene Glycol Monobutyl Ether 111-76-2	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 486 ppm (Rat) 4 h = 450 ppm (Rat) 4 h
Sodium metasilicate 6834-92-0	= 1153 mg/kg (Rat)	-	-
Monoethanolamine 141-43-5	= 1720 mg/kg (Rat)	= 1 mL/kg (Rabbit) = 1000 mg/kg (Rabbit)	-
Alcohols, C9-11 ethoxylated 68439-46-3	= 1378 mg/kg (Rat) = 1400 mg/kg (Rat)	> 2 g/kg (Rabbit)	-
Tetrasodium EDTA 64-02-8	= 1658 mg/kg (Rat) = 10 g/kg (Rat)	-	-

Conclusion/Summary:
Numerical measures of toxicity: The following values are calculated based on chapter 3.1 of the GHS document
Oral LD50: 7,869.52 mg/kg
Dermal LD50: 14,944.80 mg/kg mg/L
ATEmix (inhalation-dust/mist) 22.10 mg/L

Irritation/Corrosion

Product/ingredient name	Result	Species	Exposure

Monoethanolamine	Skin: Causes burns Eyes: Corrosion	Rabbit Rabbit	--- ---
Sodium Metasilicate	skin corrosive	Rabbit	4 hours
Ethylene Glycol Butyl Ether	Eye irritation skin irritation	Rabbit Rabbit	24 hours 20 hours
Tetrasodium Salt of EDTA	No Data		

Conclusion/Summary: Not available

Sensitization

Product/ingredient name	Result	Species	Exposure
Monoethanolamine	No data		
Sodium Metasilicate	Does not cause skin sensitization	in vivo assay - mouse	OECD Test Guideline 429
Ethylene Glycol Butyl Ether	Does not cause skin sensitization	Guinea Pig	Bueler
Tetrasodium Salt of EDTA	No data		

Conclusion/Summary: Not available

Mutagenicity

Product/ingredient name	Result	Species	Test
Monoethanolamine	Negative Negative	S. typhimurium Mouse: Male and Female	Ames OECD Test Guideline 474
Sodium Metasilicate	Negative	S. typhimurium	Ames test
Ethylene Glycol Butyl Ether	No data		
Tetrasodium Salt of EDTA	No data		

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: Ethylene Glycol Monobutyl Ether (CAS 111-76-2) A3 Animal Carcinogen

Reproductive toxicity: Ethylene Glycol Butyl Ether has shown teratogenic effects in laboratory animals.
Specific target organ toxicity - single exposure: Sodium Metasilicate- inhalation, may cause respiratory irritation.

Specific target organ toxicity - repeated exposure: Not classified
Aspiration hazard: Not classified
Chronic effects: Not determined

11.2 Primary route(s) of exposure/entry:
Eye Contact: Causes serious eye damage.
Skin Contact: Causes severe eye damage.
Inhalation: Avoid breathing vapors or mists.
Ingestion: Do not ingest.

11.3 Symptoms related to the physical, chemical and toxicological characteristics
Not determined

Section 12. ECOLOGICAL INFORMATION

12.1 Toxicity: This product is not expected to be toxic to aquatic life.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to s microorganism	Crustacea
Monoethanolamine 141-43-5	15: 72 h Desmodesmus subspicatus mg/L EC50	227: 96 h Pimephales promelas mg/L LC50 flow-through 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 300 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static 3684: 96 h Brachydanio rerio mg/L LC50 static	No data	65: 48 h Daphnia magna mg/L EC50
Sodium Metasilicate 6834-92-0	No data	210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50	No data	216: 96 h Daphnia magna mg/L EC50
Ethylene Glycol Butyl Ether 111-76-2	No data	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	No data	1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50
Tetrasodium Salt of EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static	No data	610: 24 h Daphnia magna mg/L EC50

12.2 Persistence/Degradability
Not determined

12.3 Bioaccumulation
Not determined

12.4 Mobility

Chemical name	Partition coefficient
Ethylene Glycol Monobutyl Ether 111-76-2	0.81
Monoethanolamine 141-43-5	-1.91

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
12.1.1 Product / Packing Disposal
Methods of disposal: Disposal should be in accordance with applicable regional, national and local laws and regulations.
Hazardous waste: The classification of the product does not meet the criteria for a hazardous waste.
RCRA 40 CFR 261 Classifications: As packaged and after use, it does not meet the criteria of a hazardous waste as defied 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.

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. Disposal should be in accordance with applicable regional, national and local laws and regulations

13.1.2 Waste treatment-relevant information: No information.
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	UN number	Packing Group
US DOT ground	Corrosive liquids, n.o.s. (Monoethanolamine, Sodium Metasilicate)	8	1760	III
US DOT air	Corrosive liquids, n.o.s. (Monoethanolamine, Sodium Metasilicate)	8	1760	III
IATA	Corrosive liquids, n.o.s. (Monoethanolamine, Sodium Metasilicate)	8	1760	III
IMDG	Corrosive liquids, n.o.s. (Monoethanolamine, Sodium Metasilicate)	8	1760	III

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: ---None of the chemicals are Section 302 hazards ---

Chemical Name	CAS	SARA 311/312	SARA 313	TSCA	STATE
Monoethanolamine	1141-43-5	Fire Hazard, Acute Health Hazard, Chronic Health Hazard	No	Present	MA, PA, NJ
Ethylene Glycol Butyl Ether	111-76-2	Fire Hazard Acute Health Hazard Chronic Health Hazard	Yes < 5%	Present	MA, PA, NJ
Sodium metasilicate	6834-92-0			Present	
Alcohols, C9-11 ethoxylated	68439-46-3			Present	

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

CWA (Clean Water Act) ---None of the chemicals are listed ---

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

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

Europe 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 under Annex XVII. This product does not contain a substance identified as a SvHC candidate.

Chemical Name	SL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Monoethanolamine	X		Present		Present	X	Present	X	X
Sodium Metasilicate	X		Present		Present	X	Present	X	X

Ethylene Glycol Butyl Ether	X		Present		Present	X	Present	X	X
Alcohols, C9 – 11 ethoxylated	X		Present		Present	X	Present	X	X

Occupational Illnesses (R-463-3, France)

Chemical Name	French RG number
Monoethanolamine 141-43-5	RG 49,RG 49bis
Ethylene Glycol Monobutyl Ether 111-76-2	RG 84

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.

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

Sections 16. OTHER INFORMATION

NFPA Health: Can cause temporary incapacitation or residual injury
NFPA Fire: Will not burn
NFPA Instability: Stable
NFPA Reactivity: None

REVISION DATES, SECTIONS, REVISED BY:

02-MAR-07	Revised Sections 9, 11, mkb
16-Oct-09	New address, New format, mkb
09-Nov-11	Revised sec 9, mkb
14- May-12	Revised sections 3 and 15, mkb
09-MAR-15	Revised all sections, mkb
14-May-19	Revised and reviewed all sections, mkb
11-Nov-19	Revised section 14, 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)
American National Standards Institute
University of Oxford website: http://physchem.ox.ac.uk/MSDS/#CASnumbers

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