

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® Mighty Mask
Product Number: # 8691
CAS#: Mixture (see section 3)

1.2 Product description: Peelable solder masking agent
Product type: Liquid Latex
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

Eye Irritant Category 2A (H319)
Respiratory Sensitizer Category 1 (H334)
Skin Irritant Category 2 (H315)
Skin Sensitizer Category 1 (H317)
Specific Target Organ Toxicity Repeated Exposure Category 2 (H373)
Aquatic Chronic Toxicity Category 3 (H412)

2.2 Label Elements

Hazard Pictograms:



Signal Word: Danger

Hazard Statement:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H373 May cause damage to kidneys through prolonged or repeated exposure by ingestion.
H412 Harmful to aquatic life with long lasting effects.
Precautionary Statements:

General:

If medical advice is needed, have container or label at hand (P101)
Keep out of reach of children (P102)
Read label before use (P103)

Prevention:

Do not breathe mist, vapors or spray. (P260)
Wash thoroughly after handling. (P264)
Contaminated work clothing must not be allowed out of the workplace. (P272)
Avoid release to the environment. (P273)
Wear protective gloves and eye protection (P280)
In case of inadequate ventilation wear respiratory protection (P284)

Response:

IF INHALED, Remove person to fresh air and keep comfortable for breathing (P304 + P340)
If experiencing respiratory symptoms: Call POISON CENTER or doctor. (P342+ P311)
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 or advice (P337 + P313)
IF ON SKIN, wash with plenty of water. (P302 + P352)
Take off contaminated clothing and wash before reuse (P362 + P364)
If skin irritation or rash occurs: Get medical attention (P332 + P313)
Storage: NE (see section 7)
Disposal: Dispose of contents in accordance with state and local laws as they vary (P501)

2.3 Other Hazards: None known

Unknown Acute Toxicity: No data available

Section 3	COMPOSITION / INFORMATION ON INGREDIENTS
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3.1 Substances

Substance/Mixture : Mixture

CHEMICAL	CAS	Weight %	GHS Classification
Natural Rubber Latex	9006-04-6	Variable	Skin Sens. Cat 1 (H317), Resp. Sens. Cat 1 (H334)
Polyisoprene Emulsion	9003-31-0	55 – 65	No GHS Classification
Kaolin	1332-58-7	10 – 20	No GHS Classification
Titanium Dioxide	13463-67-7	< 10	Carc. Cat 2 (H351)
Ethylene glycol	107-21-1	< 5	Acute Tox. Cat 4 (H302), STOT RE Cat 2 (H373)
Wax Emulsion	64742-51-4/ 64742-60-5	< 2	No GHS Classification
Potassium Hydroxide	1310-58-3	0.1	Met. Corr. Cat 1 (H290), Acute Tox. Cat 4 (H302), Skin Corr. Cat 1A (H314),
Ammonia	7664-41-7	< 0.5	Flam. Gas Cat 2 (H221), Comp. Gas (H280), Acute Tox. Cat 3 (H331), Skin Corr. Cat 1B (H314), Aq. Acute Cat 1 (H400), Aq. Chronic Cat 2 (H411), EUH071
Zinc dibutyldithiocarbamate	136-23-2	< 0.1	Skin Irrit. Cat 2 (H315), Eye Irrit. Cat 2 (H319), Skin Sens. Cat 1 (H317), STOT SE Cat 3 (H335), Aq. Acute Cat 1 (H400), Aq. Chronic Cat 1 (H410)

*The Titanium dioxide in this product is inextricably bound within the polymer matrix of this product.
See Section 16 for further information on GHS Classification

Section 4 FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye: Immediately rinse thoroughly with water for several minutes, while holding the eye lids open to be sure the material is washed out. Get medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash contact area with soap and water for several minutes. Get medical attention if irritation or rash occurs. Launder clothing before re-use.

Inhalation: Remove victim to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention if breathing is difficult.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. If conscious, rinse mouth and give 1 or 2 glasses of water to drink. Never give anything by mouth to an unconscious or drowsy person. Get medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed: May cause mild to moderate eye and skin irritation. May cause allergic skin and respiratory reaction (sensitization). Individuals sensitized to natural latex may experience breathing difficulties through skin contact. May cause respiratory tract irritation. Prolonged or repeated exposure may cause kidney damage. May cause intestinal blockage if swallowed

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention is required if experiencing respiratory problems or breathing difficulties. Individuals with known latex allergies should not use this product.

Section 5 FIRE FIGHTING MEASURES

5.1 Extinguishing Media: Use water spray, foam, dry powder, or carbon dioxide.

5.2 Special Hazards Arising from the Substance or Mixture:

Unusual Fire and Explosion Hazards: None known.

Combustion Products: Oxides of carbon.

5.3 Advice for Fire-Fighters:

Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water. Contain water used in firefighting from entering sewers or natural waterways.

Section 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Evacuate spill area and keep unprotected personnel away. Wear appropriate protective clothing to prevent eye and skin contact including impervious gloves, safety goggles and respirator if needed. Do not breathe vapors or mists. Ventilate area.

6.2 Environmental Precautions:

Avoid releases to the environment. Report spills and releases as required to appropriate authorities.

6.3 Methods and Material for Containment and Cleaning Up:

Cover with an inert absorbent material and collect into an appropriate container for disposal. Scrape up dried residue.

6.4 Reference to Other Sections:

Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information

Section 7	HANDLING AND STORAGE
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7.1 Precautions for Safe Handling: Do not breathe vapors or mists. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Always wear impervious gloves, chemical safety goggles and protective clothing when handling this material.

Wash thoroughly after handling. Do not eat, drink or smoke in the work area. No smoking in storage or use areas. Keep containers closed when not in use.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated location away from incompatible materials. Keep containers closed when not in use. Protect from freezing. Do not store in direct sunlight.

7.3 Specific end use(s): Industrial use only

Section 8	EXPOSURE CONTROL / PERSONAL PROTECTION
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Chemical Name	Exposure Limits
Natural Rubber Latex	0.0001 mg/m ³ (Inhalable) TWA ACGIH TLV (Skin; DSEN;RSEN) 0.001 mg/m ³ (proteins) TWA Belgium OEL
Polyisoprene Emulsion	None Established
Kaolin	2 mg/m ³ (Respirable) TWA ACGIH TLV 5 mg/m ³ (Respirable fraction), 15 mg/m ³ (Total dust) TWA OSHA PEL 2 mg/m ³ (respirable aerosol) TWA UK WEL 2 mg/m ³ TWA Belgium OEL
Titanium Dioxide	10 mg/m ³ TWA ACGIH TLV 15 mg/m ³ (Total dust) TWA OSHA PEL 10 mg/m ³ (inhalable aerosol), 4 mg/m ³ (respirable aerosol) TWA UK WEL 10 mg/m ³ TWA Belgium OEL
Ethylene glycol (as vapor)	10 mg/m ³ STEL ACGIH TLV (Aerosol only) 25 ppm TWA, 50 ppm STEL ACGIH TLV (vapor) 10 mg/m ³ TWA UK WEL (particulate) 20 ppm TWA, 40 ppm STEL UK WEL (vapor) 26 mg/m ³ TWA, 52 mg/m ³ STEL DFG MAK (particulate) 10 ppm TWA, 20 ppm STEL DFG MAK (vapor) 20 ppm TWA, 40 ppm STEL EU OEL 52 mg/m ³ TWA, 104 mg/m ³ STEL Belgium OEL (particulate)
Wax Emulsion (as paraffin wax fume)	2 mg/m ³ TWA ACGIH TLV 2 mg/m ³ TWA, 6 mg/m ³ STEL UK WEL 2 mg/m ³ TWA Belgium OEL
Potassium Hydroxide	2 mg/m ³ Ceiling ACGIH TLV 2 mg/m ³ STEL UK WEL 2 mg/m ³ STEL Belgium OEL
Ammonia	25 ppm TWA, 35 ppm STEL ACGIH TLV 50 ppm TWA OSHA PEL 20 ppm TWA, 40 ppm STEL DFG MAK 25 ppm TWA, 35 ppm STEL UK WEL 20 ppm TWA, 50 ppm STEL EU OEL 20 ppm TWA, 50 ppm STEL Belgium OEL
Zinc dibutyldithiocarbamate (as Zinc Compounds, as Zn)	2 mg/m ³ TWA, 4 mg/m ³ STEL DFG MAK (Inhalable) 0.1 mg/m ³ TWA, 0.4 mg/m ³ STEL DFG MAK (Respirable)

8.2 Exposure Controls:

Ventilation: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Personal Protective Equipment:

Respiratory Protection: In operations where the occupational exposure limits are exceeded, an approved respirator with applicable cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin Protection: Impervious gloves are recommended to prevent skin contact. Contact your glove supplier for selection assistance. In Europe follow EN 374.

Eye Protection: Chemical safety goggles are recommended to prevent eye contact. In Europe follow EN 166.

Other Protective Equipment: Impervious clothing is required to prevent skin contact and contamination of personal clothing. In Europe follow EN 13034. An eye wash facility and safety shower should be available in the work area.

Section 9	PHYSICAL AND CHEMICAL PROPERTIES
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9.1 Information on Basic Physical and Chemical Properties:

Appearance	White liquid
Odor	Ammonia odor
pH	Not available
Melting point/freezing point	Not available
Initial boiling point and boiling range	100°C (212°F)
Flash point and method	Not available
Evaporation rate	Not available
Flammability (solid, gas, liquid)	Not available
Upper/lower flammability or explosive limits	Not available
Vapor pressure	Not available
Vapor density (air=1)	Not available
Relative density	1.01
Solubility(ies).	Dispersible in water
Partition coefficient: n-octanol/water	Not available
Autoignition temperature	Not available
Decomposition temperature	Not available
Viscosity	18,000 – 22,000 CPS
Volatile by weight	Not available
VOC	Not available

9.2 Other Information: None available.

Section 10	STABILITY AND REACTIVITY
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10.1 Reactivity: Not reactive.

10.2 Chemical Stability: Stable under normal storage and handling conditions.

10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur. Contact with acidic materials may cause latex to coagulate.

10.4 Conditions to Avoid: None known.

10.5 Incompatible Materials: Acidic materials.

10.6 Hazardous Decomposition Products: Combustion will produce oxides of carbon.

Section 11	TOXICOLOGY INFORMATION
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11.1 Information on Toxicological Effects:

Potential Health Effects:

Eye: Contact with liquid and vapors may cause mild to moderate irritation.

Skin: May cause mild to moderate irritation. May cause allergic skin reaction (sensitization).

Inhalation: Inhalation of vapors or mists may cause respiratory tract irritation and an allergic respiratory reaction (sensitization).

Ingestion: Swallowing may cause mouth, throat, and gastrointestinal irritation with nausea, vomiting, and diarrhea. Indigestion may cause intestinal blockage.

Chronic Hazards: None known.

Acute Toxicity Values:

Natural Rubber Latex: No toxicity data available

Polyisoprene Emulsion: No toxicity data available

Kaolin: Oral rat LD50 - >5,000 mg/kg, Skin rat LD50 - >5000 mg/kg

Titanium Dioxide: Oral rat LD50 - >5,000 mg/kg, Inhalation rat LC50 - >6.82 mg/L/4hr

Ethylene glycol: Oral rat LD50 - 4700 mg/kg, Skin rabbit LD50 - 9530 mg/kg

Wax Emulsion: Oral rat LD50 - >5,000 mg/kg, Skin rat LD50 - >2,000 mg/kg

Potassium Hydroxide: Oral rat LD50 - 333 mg/kg

Ammonia: Oral rat LD50 - 350 mg/kg, Inhalation rat LC50 - 13770 mg/m³/1hr

Zinc dibutyldithiocarbamate: Oral rat LD50 - >5000 mg/kg, Skin rabbit LD50 - >2000 mg/kg

Skin corrosion/irritation: This product is classified as a skin irritant.

Eye damage/irritation: This product is classified as an eye irritant.

Respiratory Irritation: No data available.

Respiratory Sensitization: Inhalation of latex proteins can cause allergic reactions with asthma-like symptoms and (rarely) shock. Individuals sensitized to natural latex may experience breathing difficulties through skin contact.

Skin Sensitization: Sensitive individuals exposed to products containing natural latex may develop allergic reactions such as skin rashes and hives.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: This product contains a small amount of Titanium Dioxide is listed as Possible carcinogenic to humans (Group 2B) by IARC. However, titanium dioxide is inextricably bound in the product matrix and no exposure will occur. None of the other components of this product are listed as carcinogens by OSHA, IARC, NTP, and the EU CLP.

Reproductive Toxicity: No data available.

Specific Target Organ Toxicity:

Single Exposure: No data available

Repeat Exposure: No data available

Aspiration Hazard: This product is not classified as an aspiration hazard. None of the components of this product are aspiration hazards.

Section 12

ECOLOGICAL INFORMATION

12.1 Toxicity:

Ethylene glycol: 96 hr LC50 Fathead minnow- 72860 mg/L, 48 hr EC50 Daphnia magna- >100 mg/L

Ammonia: 96 hr LC50 Rainbow trout- 0.6-1.1 mg/L (unionized ammonia), 96 hr LC50 Rainbow trout- 11-48 mg/L (total ammonia), 48 hr LC50 Daphnia magna- 92.4-110 mg/L (M-Factor Acute=1)

Zinc dibutyldithiocarbamate: 96 hr LC50 Guppy - >16000 ug/L, 48 hr EC50 Daphnia magna- 0.74 mg/L (M-Factor Acute = 1, M-Factor Chronic =10)

This product is classified as harmful to the aquatic environment with long-term adverse effects. Releases to the environment should be avoided.

12.2 Persistence and Degradability: Zinc dibutyldithiocarbamate: Not readily biodegradable

12.3 Bioaccumulative Potential: No data available

12.4 Mobility in Soil: No data available

12.5 Results of PBT and vPvB Assessment: No data available

12.6 Other Adverse Effects: No data available

Section 13	DISPOSAL CONSIDERATIONS
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Do not empty contents into drains.

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.

Section 14	TRANSPORTATION INFORMATION
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	14.1 UN number	14.2 Proper Shipping Name	14.3 Hazard Class	14.4 Packing Group	14.5 Environmental Hazards	Limitations
US DOT ground	None	Not regulated	None	None	NA	NA
US DOT air	None	Not regulated	None	None	NA	NA
IATA	None	Not regulated	None	None	NA	NA
IMDG	None	Not regulated	None	None	NA	NA
RID	None	Not regulated	None	None	NA	NA
ADN	None	Not regulated	None	None	NA	NA

14.6 Special Precautions for User: Not applicable

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

Section 15	REGULATORY INFORMATION
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15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product has an RQ of 100,000 lbs (based on the RQ of Ethylene glycol of 5,000 lbs present at <5%.) Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Refer to Section 2 for OSHA Hazard Classification.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III

Section 313 Reporting requirements:

Ethylene glycol 107-21-1 <5%

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: **WARNING:** This product can expose you to chemicals including Ethylene glycol (CAS 107-21-1), which are known to the State of California to cause reproductive harm. For more information go to www.P65Warnings.ca.gov

INTERNATIONAL REGULATIONS: This SDS complies with Regulation (EU) No. 1907/2006 and 2015/830, US OSHA Hazcom 2012 (29 CFR1910.1200) and Canada WHMIS 2015.

EUROPEAN REGULATIONS European Inventory of Existing Chemicals (EINECS): All of the components in this product are listed on the EINECS inventory.

EU REACH: All components requiring registration have been pre-registered.

SVHC: This product contains the following Substances of Very High Concern (SVHCs): None.

15.2 Chemical Safety Assessment: No data available

Sections 16	OTHER INFORMATION
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HMIS Ratings: Health – 2*	Flammability - 0	Physical Hazard - 0
NFPA Ratings: Health - 2	Flammability - 0	Instability - 0

*Chronic Health Hazard

REVISION DATES, SECTIONS, REVISED BY:

06-NOV-14,	Original release date. M. Botkins
29-NOV-19	Revised all sections, 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

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