

ISSUE DATE: 4/15/2015

## I PRODUCT AND COMPANY IDENTIFICATION

### GHS PRODUCT IDENTIFIER:

TRADE NAME; SHINE (COMPONENT "A")

### OTHER MEANS OF IDENTIFICATION:

### RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: CONCRETE FLOOR CLEANER

### SUPPLIER'S DETAILS:



Mark C. Pope Associates, Inc.  
4910 Martin Court  
Smyrna, Ga. 30082  
(800)299-2999

24 HR. EMERGENCY NUMBER CHEMTREC: (800)424-9300

## II HAZARD IDENTIFICATION

### GHS CLASSIFICATION:

GHS CLASSIFICATION SCALE: ( 1=SEVERE HAZARD, 4=SLIGHT HAZARD)

### PHYSICAL HAZARDS:

#### HEALTH HAZARDS:

ACUTE TOXICITY-ORAL

CATEGORY 4

ACUTE TOXICITY-INHALATION

CATEGORY 4

SKIN CORROSION IRRITATION

CATEGORY 2

SERIOUS EYE DAMAGE IRRITATION

CATEGORY 1

HAZARDOUS TO THE AQUATIC ENVIRONMENT

CATEGORY 3 ACUTE/CHRONIC

### LABEL ELEMENTS:

**SIGNAL WORD: DANGER**

### **HAZARD STATEMENTS:**

Harmful if swallowed

Harmful if inhaled

Causes skin irritation

Causes serious eye damage

Harmful to aquatic life with long lasting effects

**HAZARD SYMBOLS:****PRECAUTIONARY STATEMENTS:**

Keep out of reach of children  
 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 Wash hands, face and all exposed skin areas after handling.  
 Do not eat, drink, or smoke when using this product.  
 Use only outdoors or in a well ventilated area  
 Avoid release to the environment  
 Wear protective gloves/protective clothing/eye protection/face protection

**PRECAUTIONARY STATEMENTS (RESPONSE):**

IF SWALLOWED: Rinse mouth. Call a Poison control center, doctor or physician if you feel unwell.

IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice attention if you feel unwell

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately call a doctor or physician.

**PRECAUTIONARY STATEMENTS (STORAGE):**

Not listed

**PRECAUTIONARY STATEMENTS (DISPOSAL):**

Dispose of contents/container to an approved waste disposal plant in accordance with applicable local/regional/national and international regulations and product characteristics at time of disposal.

**OTHER HAZARDS:**

No Data

**III PHYSICAL / CHEMICAL CHARACTERISTICS**

INGREDIENT	CAS NUMBER	PERCENTAGE
WATER		PROPRIETARY
Diethylene glycol monobutyl ether	112-34-5	1-4
SURFACTANT MIXTURE	PROPRIETARY	8-24

REMAINING INGREDIENTS ARE NOT REPORTABLE UNDER OSHA/SDS GUIDELINES. THE EXACT PERCENTAGES OF SOME INGREDIENTS HAVE BEEN WITHHELD AS (CBI) CONFIDENTIAL BUSINESS INFORMATION TRADE SECRET.

**IV FIRST AID MEASURES**

**INGESTION:** If swallowed, call a poison control center, doctor or physician. Wash out mouth with water. Do not induce vomiting unless told to do so by doctor or physician. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lung. Never give anything by mouth to an unconscious person.

**SKIN CONTACT:** Remove contaminated clothing. Wash with soap and plenty of water for 15 minutes. Wash contaminated clothing before reuse. Consult doctor/physician if irritation occurs.

**INHALATION:** Move individual away from exposure and into fresh air. Call a physician if symptoms develop or persist.

**EYE CONTACT:** Immediately rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention/advice.

**Most Important Symptoms and Effects, Acute and Delayed**

**INGESTION:** Symptoms may include diarrhea, gastric pain, and vomiting.

**SKIN CONTACT:** Symptoms may include rash, redness, dryness and cracking of skin.

**INHALATION:** Symptoms may include irritation of respiratory tract

**EYE CONTACT:** Symptoms may include stinging, tearing, redness and blurred vision.

**Indication of immediate medical attention and special treatment needed, if necessary.**

Treat Symptomatically.

**V FIRE FIGHTING MEASURES**

**Suitable extinguishing media:** Use methods suitable for surrounding fire

Unsuitable extinguishing media- Not flammable.

**Specific hazards arising from the chemical:** No further relevant information

**Hazardous thermal decomposition products:** No further relevant information

**Special protective actions for fire-fighters:** Keep product containers and surrounding areas cool with water spray. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters:** Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## VI ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of information in section 8 for further information. See also information in non-emergency personnel above.

**Environmental precautions:** Avoid dispersal of spilled material with waterways, drains and sewers. See section 12 for additional ecological information.

### Methods and materials for containment and cleaning up.

**Small spill:** Stop leak if without risk. Move containers from the spill area. Absorb with an inert dry material such as diatomaceous earth or vermiculite and place in an appropriate waste disposal container. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

**Large spill:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, drains, water courses and confined areas. Wash spillages into an effluent treatment plant or absorb with an inert dry material such as diatomaceous earth or vermiculite and place in appropriate waste disposal containers. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

## VII HANDLING AND STORAGE

### Precautions for Safe Handling:

**Safe Handling Advice:** Utilize appropriate personal protective equipment when handling product. Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mists. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container and tightly closed when not in use. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection and face protection during use.

**Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional hygiene information.

### Conditions for safe storage including any incompatibilities:

Store in original container in a dry, cool and well ventilated area away from strong oxidizing agents (see section 10) and food and drink. Keep container tightly closed when not in use. Do not store in unlabeled containers. Keep away from children.

**VIII EXPOSURE CONTROLS/PERSONAL PROTECTION****Control Parameters      Occupational Exposure Limits**

<b>Ingredient Identity</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>
Ethylene oxide, 75-21-8, residuals	TWA 1ppm	TWA 5ppm	TWA 5ppm

Ethylene oxide is present below de minimis levels as residuals.

2(2-butoxy)ethanol,                      TWA 10ppm

**Appropriate Engineering Controls**

**Engineering Controls:** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants and maintain air concentrations below occupational exposure standards.

**Individual protection measures, such as personal protective equipment. (PPE)**

**Eye/Face Protection:** Wear approved tightly sealed safety goggles

**Skin & Body Protection:** Wear chemical resistant, impervious gloves at all times when handling chemical products. Check during use that gloves and aprons are still retaining their impervious properties, as the time for breakthrough can change from different manufacturers and chemical mixtures cannot always be accurately measured. Appropriate footwear and suitable protective clothing should be worn for the degree and risk of exposure.

**Respiratory Protection:** If workplace exposure limits of product or any component is exceeded, utilize proper respiratory protection program guidelines (see OSHA 1910.134 and American National Standard ANSI Z88.2) Use a properly fitted NIOSH/MSHA air-purifying or air-fed respirator in compliance with the above mentioned standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**IX PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: blue liquid

Odor: mild detergent

Odor threshold: not available

pH: 9.5-10.8

Melting Point/Freezing Point: Not Determined

Initial Boiling Point/Range: Not Determined

Flash Pt: Not Applicable

Evaporation Rate: Not Determined (butyl acetate=1)

Lower explosive limits: Not Applicable

Upper explosive limits: Not Applicable

Vapor Pressure: Not Determined

Vapor Density: Not Determined (air=1)

Relative Density: 1.05

Solubility in water: Soluble

Partition coefficient: not applicable

Decomposition Temp: not available

Viscosity: slight viscosity

**X STABILITY AND REACTIVITY**

Reactivity: Stable in normal ambient temperature.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None known

Conditions to Avoid: Only mix Shine "A" with water and then add Shine "B"

Incompatible Materials: none known

Hazardous Decomposition Products: Carbon monoxide and Carbon Dioxide.

**XI TOXICOLOGICAL INFORMATION**

Acute toxicity: Classified, Oral, Category 4  
Inhalation, Category 4

Skin corrosion irritation: classified, Category 2

Serious Eye damage: classified, Category 1

Sensitization: Not classified

Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not Classified

Teratogenicity: Not Available

**Specific target Organ Toxicity (single exposure):**

<u>Name</u>	<u>category</u>	<u>route of exposure</u>	<u>target organs</u>
Not classified			

**Specific target Organ Toxicity (repeated exposure)**

<u>Name</u>	<u>category</u>	<u>route of exposure</u>	<u>target organs</u>
Not classified			

Aspiration Hazard: No data

**Information on the likely routes of exposure:****Ingestion:** Harmful if swallowed.**Inhalation:** May cause respiratory irritation.**Skin:** Causes skin irritation**Eye:** Causes serious eye damage.**Symptoms related to the physical, chemical and toxicological characteristics****Ingestion:** See section iv, most important symptoms and effects, acute and delayed.**Inhalation:** See section iv, most important symptoms and effects, acute and delayed.**Skin:** See section iv, most important symptoms and effects, acute and delayed.**Eye:** See section iv, most important symptoms and effects, acute and delayed.**Delayed and immediate effects and also chronic effects from short and long term exposure.**

General: Can cause skin irritation, serious eye damage and respiratory irritation.

Carcinogenicity: Not classifiable.

**Numerical measures of Toxicity**

Not Available

**XII ECOLOGICAL INFORMATION****Toxicity:**

<u>Ingredient name</u>	<u>Result</u>	<u>Species</u>	<u>Exposure</u>
2(2-butoxy)ethanol	LC50 1,300 mg/l	fish	96h
Ethylene Oxide	96mg/l	fathead minnow	96 hrs.

Ethylene Oxide is present in trace residual amounts in product.

**Persistence and degradability:**

No Data

**Bioaccumulation Potential:**

No Data

**Mobility in Soil:**

No Data

**Other adverse Effects:**

No Data

**XIII DISPOSAL CONSIDERATIONS**

Dispose in accordance with applicable federal, state and local regulations.

**XIV TRANSPORT INFORMATION**

DOT: NOT REGULATED  
 IATA: NOT DETERMINED  
 IMDG: NOT REGULATED

**XV REGULATORY INFORMATION**

U.S. FEDERAL REGULATIONS: All ingredients are listed or exempted with TSCA.

SARA 302/304:

RQ

CERCLA: Ethylene Oxide listed. Trace amounts in product. 10 lbs

SARA 311/312: acute health hazard,

Ingredient	%	FIRE HAZARD	PRESSURE RELEASE	REACTIVE	IMMEDIATE ACUTE	DELAYED CHRONIC
Ethylene Oxide	PROPRIETARY				YES	
2(2butoxy)ethanol	PROPRIETARY				YES	

SARA 313: Ethylene Oxide 75-21-8 <.0003 below de minimis  
 Glycol Ethers, <5%

## STATE REGULATIONS:

Ingredient	RI	New Jersey	Massachusetts	Pennsylvania
Ethylene Oxide below de minimis	yes	Yes	Yes	yes

California Prop 65: Warning: This product contains a chemical known to the state of California to cause cancer. Ethylene Oxide Carcinogenic substance=yes; below .0003% in product.

**XVI OTHER INFORMATION**

HMIS RATING: HEALTH (2) FIRE (1) REACTIVITY (0) PP (x)  
 4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0=INSIGNIFICANT

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