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SAFETY DATA SHEET

Issue Date: 9 October 2015

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: **DISH GLO**

Product Description: **LIQUID HAND DISHWASHING COMPOUND**

Other Means of Identification

Product # 073
Synonyms None

Details of the Supplier of the Safety Data Sheet

Company Name CHEMCO INDUSTRIES, INC.
5731 Manchester Avenue
St. Louis, MO 63110
www.chemcoindustries.com
314-647-1888
1-800-854-4236 (to Reorder)

Emergency Telephone Number

Emergency Telephone INFOTRAC 1-800-535-5053

2. HAZARDS IDENTIFICATION

Appearance: Clear green liquid

Physical State: Liquid

Odor: Lemon

Classification:

Skin sensitization Category 1

Signal Word

Warning

Hazard Statements

May cause an allergic skin reaction.



Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.

Precautionary Statements - Response

IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention
Wash contaminated clothing before reuse.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Unknown Acute Toxicity

16.2268% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Sodium xylenesulfonate	1300-72-7	Proprietary
Isopropyl Alcohol	67-63-0	Proprietary
Sodium sulfate	7757-82-6	Proprietary

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.

4. FIRST AID MEASURES

First Aid Measures

Eye Contact: Flush with plenty of water for at least 15 minutes. If irritation persists, call a physician or poison center.

Skin Contact: Wash with soap and plenty of water. If irritation persists, call a physician or poison center.

Inhalation: Remove to fresh air. If irritation persists, call a physician or poison center.

Ingestion: Do not induce vomiting. Call a physician or poison control center.

Most important symptoms and effects

Symptoms: May cause eye irritation. Prolonged or repeated contact may cause skin irritation. May cause an allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical. CO₂, dry foam. Water

Unsuitable Extinguishing Media: Not determined

Specific Hazards Arising from the Chemical

None known

Hazardous Combustion Products: When strongly heated, as in a fire, this product may produce nitrous oxide, sulfur dioxide, hydrogen sulfide, CO and CO₂ 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. Use water spray or mist to cool fire exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment as required.

Methods and material for containment and cleanup

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up: For small spills: Flush away spills of up to one gallon to the nearest sewer. This product may cause slippery conditions; rinse thoroughly. For large spills: Pick up larger spills with inert absorbent and place in suitable container for disposal. This product may cause slippery conditions; rinse thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling: Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep this product in a properly labeled, tightly closed container and store in a cool, dry place. Do not let containers freeze as they may split or rupture. Store away from incompatible materials.

Incompatible Materials: Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 67-36-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³
Caustic Soda 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³
Acid Green 1 19381-50-1	TWA: 1 mg/m ³ Fe	(vacated) TWA: 1 mg/m ³ Fe	TWA: 1 mg/m ³ Fe

Appropriate engineering controls

Engineering Controls: Normally not required. Ventilation and local exhaust generally adequate.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Safety glasses recommended if splashing is possible.

Skin and Body Protection: Normally not required. Rubber gloves recommended for prolonged exposure or for sensitive skin.

Respiratory Protection: Normally not required.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear green liquid
Color	Green
Odor	Lemon
Odor Threshold	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks - Method</u>
pH	8-9	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	100 C / 212 F	
Flash Point	None to boiling point	
Evaporation Rate	~1.0	(water=1)
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limits	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.035	(Water=1)
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content	None	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reaction

Under normal conditions of storage and use, hazardous polymerization does not occur.

Conditions to Avoid

Incompatible materials. Excessive heat and freezing temperatures.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

When strongly heated, as in a fire, this product may produce nitrous oxide, sulfur dioxide, hydrogen sulfide, CO and CO₂ may be released.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Eye Contact Avoid contact with eyes.
Skin Contact May cause an allergic reaction.
Inhalation Do not inhale.
Ingestion Do not ingest

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium xylenesulfonate 1300-72-7	= 7200 mg/kg (Rat)	-	-
Isopropyl Alcohol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rat) =12870 mg/kg (Rabbit)	= 72.6 mg/L (Rat) 4 h
Caustic Soda 1310-73-2	-	= 1350 mg/kg (Rabbit)	-
Sodium sulfate 7757-82-6	> 10000 mg/kg (Rat)	-	-
Sodium Chloride 7647-14-5	= 3 g/kg (Rat)	> 10 g/kg (Rabbit)	> 42 g/m ³ (Rat) 1 h

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

Sensitization May cause an allergic skin reaction.

Carcinogenicity Group 3 IARC components are "not classifiable as human carcinogens".

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl Alcohol 67-63-0		Group 3		X

Legend:

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

x - Present

Numerical measures of toxicity

Not determined

Unknown Acute Toxicity

16.2268% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not determined

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

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
Isopropyl Alcohol 67-63-0	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT Not regulated.

IATA Not regulated.

IMDG Not regulated.

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

Legend: TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropyl Alcohol 67-63-0	67-63-0	Proprietary	1.0

US State Regulations

California Proposition 65

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl Alcohol 67-63-0	X	X	X
Caustic Soda 1310-73-2	X	X	X
Sodium sulfate 7757-82-6		X	X

16. OTHER INFORMATION

NFPA	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
HMIS	Health Hazards 1	Flammability 0	Physical Hazards 0	Personal Protection A

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.