

SAFETY DATA SHEET

Date Prepared : 01/20/2016

SDS No : SPLG63A

Krystal Klear

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Krystal Klear**GENERAL USE:** Glass Cleaner**MANUFACTURER**

Scotch Plaid, Inc.
2969 Reward Lane
Dallas, TX 75220

Customer Service: 800-527-5220**24 HR. EMERGENCY TELEPHONE NUMBERS**

ChemTel: 800-255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Eye Irritation, Category 2A
Skin Irritation, Category 2
Acute Toxicity (Oral), Category 4
Acute Toxicity (Dermal), Category 4
Acute Toxicity (Inhalation), Category 4

Environmental:

Not Classified

Physical:

Flammable Liquids, Category 4

GHS LABEL

Exclamation
mark

SIGNAL WORD: WARNING**HAZARD STATEMENTS**

H227: Combustible liquid.
H302 + H312 + H332: Harmful if swallowed, in contact with skin or if inhaled.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

PRECAUTIONARY STATEMENTS**Prevention:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264: Wash face, hands and any exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P271: Use only outdoors or in a well-ventilated area.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331: Do NOT induce vomiting.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P309+P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P370+P378: In case of fire: Use dry chemical, carbon dioxide, water spray (fog) or foam to extinguish.

P363: Wash contaminated clothing before reuse.

Storage:

P102: Keep out of reach of children.

P403+P235: Store in a well-ventilated place. Keep cool.

P234: Keep only in original packaging.

Disposal:

P501: Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
2- Butoxyethanol	60 - 70	111-76-2

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Remove contaminated clothing and wash contaminated skin with large amounts of soap and water. If irritation persists, seek medical attention. Launder clothing before reuse.

INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Contact may cause eye irritation.

SKIN: Contact may cause skin irritation.

INGESTION: May cause headache and nausea.

INHALATION: May cause drowsiness and/or dizziness.

ACUTE EFFECTS: Eye contact may cause stinging, tearing, redness and blurred vision. Skin contact may cause redness and irritation.

CHRONIC EFFECTS: Not determined for this mixture.

NOTES TO PHYSICIAN: Treat symptomatically

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Combustible liquid and vapor.

GENERAL HAZARD: The vapor of this product may form a combustible mixtures with air in confined spaces.

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, water spray (fog) or foam when fighting fires involving this material.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.

FIRE FIGHTING PROCEDURES: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool fire exposed containers to prevent pressure building up and rupturing closed containers.

FIRE FIGHTING EQUIPMENT: Use personal protective equipment

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Stop leak if safe to do so. Soak up and contain spill with an absorbant material and place in container for proper disposal. Flush away traces with water.

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LARGE SPILL: Eliminate all ignition sources. Dike spilled material or otherwise contain material to ensure runoff does not reach into soil, ditches, sewers and / or groundwater. Transfer material into suitable containers for proper disposal in accordance with local, state and federal regulations.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow material to contaminate waterways.

LAND SPILL: Do not allow material to contaminate the soil.

GENERAL PROCEDURES: Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in Sections 7 and 8.

SPECIAL PROTECTIVE EQUIPMENT: For personal protection see section 8.

COMMENTS: Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Handle in accordance with good industrial hygiene and safety procedures. Use personal protection recommended in Section 8. Follow all product label instructions.

HANDLING: Follow all SDS/label precautions even after container is emptied because it may retain product residues.

STORAGE: Keep out of reach of children. Store in original container in a cool, dry and well ventilated area.

COMMENTS: Keep away from sparks, heat and open flames.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
2- Butoxyethanol	TWA	50	240	20	97	NL	NL
	STEL					NL	NL

ENGINEERING CONTROLS: Use with adequate ventilation, especially in confined spaces.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields.

SKIN: Chemical resistant gloves.

RESPIRATORY: Respiratory protection should be worn when there is a potential to exceed the exposure limit guidelines.

PROTECTIVE CLOTHING: Wear suitable protective clothing to prevent contact with skin.

WORK HYGIENIC PRACTICES: Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

OTHER USE PRECAUTIONS: Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and 1910.133.

COMMENTS: Eyewash stations and safety showers should always be in place where chemicals are handled and stored.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR THRESHOLD: No data available for this mixture.

APPEARANCE: Clear liquid

PERCENT VOLATILE: 70-80%

FLASH POINT AND METHOD: > 67°C (153°F) Closed Cup

FLAMMABLE LIMITS: No data available for this mixture.

AUTOIGNITION TEMPERATURE: No data available for this mixture.

VAPOR PRESSURE: No data available for this mixture.

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- VAPOR DENSITY:** No data available for this mixture.
- BOILING POINT:** No data available for this mixture.
- FREEZING POINT:** No data available for this mixture.
- THERMAL DECOMPOSITION:** No data available for this mixture.
- SOLUBILITY IN WATER:** Complete
- EVAPORATION RATE:** No data available for this mixture.
- SPECIFIC GRAVITY:** 0.94 to 0.960 g/ml
- VISCOSITY:** Water thin.
- (VOC):** 70.000 to 80.000 (Weight %)
- OXIDIZING PROPERTIES:** This product is not classified as oxidizing

10. STABILITY AND REACTIVITY

- REACTIVITY:** Not classified as a reactivity hazard.
- HAZARDOUS POLYMERIZATION:** Will not occur.
- STABILITY:** Stable under normal conditions.
- CONDITIONS TO AVOID:** Heat, sparks and flames.
- POSSIBILITY OF HAZARDOUS REACTIONS:** No dangerous reaction known under conditions of normal use.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon.
- INCOMPATIBLE MATERIALS:** Strong oxidizing agents, acids and bases.

11. TOXICOLOGICAL INFORMATION**ACUTE**

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
2- Butoxyethanol	1300 mg/kg (rat)	> 2000 mg/kg (rat)	4.9 mg/l (rat) <i>Aerosol</i>

- EYE EFFECTS:** May cause eye irritation.
- SKIN EFFECTS:** May cause skin irritation.
- CHRONIC:** No data available for this mixture.
- SUBCHRONIC:** This product is irritating to the eyes, skin and respiratory tract.

CARCINOGENICITY

Chemical Name	IARC Status	Other
2- Butoxyethanol	Group 3	ACGIH (A3)

IARC: IARC (Group 3) components are "not classifiable as human carcinogens"

NTP: No ingredient in this product is present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No ingredient in this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Notes: ACGIH (A3) - Animal Carcinogen

- REPEATED DOSE EFFECTS:** Long term or repeated exposure to this product defats the skin.
- IRRITATION:** Skin and eye irritation.
- SENSITIZATION:** No data available for this mixture.
- NEUROTOXICITY:** No data available for this mixture.
- GENETIC EFFECTS:** No data available for this mixture.
- REPRODUCTIVE EFFECTS:** No data available for this mixture.

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TARGET ORGANS: No data available for this mixture.**TERATOGENIC EFFECTS:** No data available for this mixture.**MUTAGENICITY:** No data available for this mixture.**SYNERGISTIC MATERIALS:** No data available for this mixture.**12. ECOLOGICAL INFORMATION****ECOTOXICOLOGICAL INFORMATION:** This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.**BIOACCUMULATION/ACCUMULATION:** The potential for bioconcentration in organisms is low.**DISTRIBUTION:** No data available for this mixture.**AQUATIC TOXICITY (ACUTE)****96-HOUR LC₅₀:** No data available for this mixture.**48-HOUR EC₅₀:** No data available for this mixture.**96-HOUR EC₅₀:** No data available for this mixture.**CHEMICAL FATE INFORMATION:** This product is expected to be readily biodegradable.**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:** Follow all Federal, State and Local Regulations appropriate for this material.**PRODUCT DISPOSAL:** Wastewater resulting from this product should be directed to a proper waste water treatment facility.**EMPTY CONTAINER:** Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.**RCRA/EPA WASTE INFORMATION:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Combustible Liquid, N.O.S., (Ethylene Glycol Monobutyl Ether)**PRIMARY HAZARD CLASS/DIVISION:** Combustible Liquid**UN/NA NUMBER:** 1993**PACKING GROUP:** III**NOTE:** Non-bulk packages (less than or equal to 119 gallons) of combustible liquids are not regulated as hazardous materials.**COMMENTS:** The shipper / consignor / sender is responsible to ensure that the packaging, labeling and markings are in compliance with the selected mode of transport.**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:** Fire Hazard, Acute Health Hazard, Chronic Health Hazard**FIRE:** Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
2- Butoxyethanol	60 - 70	111-76-2

302/304 EMERGENCY PLANNING**EMERGENCY PLAN:** No chemicals in this product are subject to the reporting requirements of SARA Title III, Section 302.**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** Not listed.**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

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TSCA REGULATORY: All ingredients are listed.

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

OSHA HAZARD COMM. RULE: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

16. OTHER INFORMATION

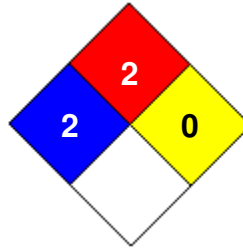
REASON FOR ISSUE: New SDS format

Date Prepared: 01/20/2016

HMIS RATING

HEALTH	<input type="text"/>	2
FLAMMABILITY	<input type="text"/>	2
PHYSICAL HAZARD	<input type="text"/>	0
PERSONAL PROTECTION	<input type="text"/>	B

NFPA CODES



ADDITIONAL SDS INFORMATION: This Safety Data Sheet applies to this product in its concentrated form (as supplied). The hazards of this product will diminish significantly at end use dilution ratios.

MANUFACTURER DISCLAIMER: The information provided in the 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 a 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 other material or in any process, unless specified in the text.

End of Safety Data Sheet