

**KANO LABORATORIES, INC.  
SAFETY DATA SHEET**

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Glit  
**Product Use:** Liquid Glass Cleaner

**Manufacturer:** Kano Laboratories, Inc.  
1000 E. Thompson Lane  
Nashville, TN 37211  
**Emergency Phone Number:** Chemtrec 1 (800) 424-9300  
**Manufacturer Phone Number:** (615) 833-4101  
**Website:** www.kanolaboratories.com

**SDS Date of Preparation:** August 5th, 2015

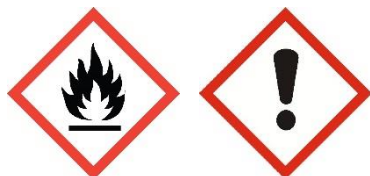
**SECTION 2: HAZARDS IDENTIFICATION**

**GHS / HAZCOM 2012 Classification:**

<b>Health</b>	<b>Physical</b>
Eye Irritation Category 2	Flammable Liquid Category 2

Label Elements

**Danger!**



Highly flammable liquid and vapor.  
Causes serious eye irritation.

Keep container tightly closed.  
Ground and bond container and receiving equipment  
Use explosion-proof electrical, ventilating and lighting equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wash thoroughly after handling.  
Wear protective gloves and eye protection.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
If eye irritation persists: Get medical attention.  
In case of fire: Use water spray, carbon dioxide, dry chemical or alcohol foam to extinguish.  
Store in a well-ventilated place. Keep cool.  
Dispose of contents and container in accordance with local and national regulations.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>CAS#</b>	<b>%</b>
Isopropanol	67-63-0	70-90

#### SECTION 4: FIRST AID MEASURES

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

**Skin:** Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation or symptoms of exposure develop. Launder clothing before re-use.

**Inhalation:** Remove victim to fresh air. If breathing is difficult or irritation develops, get medical attention.

**Ingestion:** Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious or drowsy person. Get medical attention.

**Most important symptoms and effects, acute and delayed:** Causes eye irritation. May cause skin irritation. Inhalation of vapors or mist may cause upper respiratory tract irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting or diarrhea.

**Indication of immediate medical attention and special treatment, if needed:** No immediate medical attention is required.

#### SECTION 5: FIRE FIGHTING MEASURES

**Suitable (and Unsuitable) Extinguishing Media:** Use water spray, carbon dioxide, dry chemical or alcohol foam.

**Specific Hazards Arising from the Chemical: Highly flammable liquid and vapors.** Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Vapors are easily ignited by static spark. Combustion may produce oxides of carbon and oxides of aluminum.

**Special Protective Equipment and Precautions for Fire-fighters:** Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, Protective equipment, and Emergency procedures:** Wear appropriate protective clothing to prevent eye and skin contact including impervious gloves, safety goggles and respirator if needed. Ventilate area with explosion-proof equipment. Remove all ignition sources such as open flames, spark producing equipment, pilot lights, etc.

**Environmental precautions:** Avoid release to the environment. Report spills and releases as required to appropriate authorities.

**Methods and Materials for Containment and Cleaning up:** Cover with an inert absorbent material and collect into an appropriate container for disposal. After removal, flush contaminated area thoroughly with water.

#### SECTION 7: HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid breathing vapors, aerosols and mists. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash exposed skin thoroughly with soap and water after use. Keep product away from heat, sparks, flames and all other sources of ignition. No smoking in storage or use areas. Electrically ground and bond containers when transferring material. Keep containers closed when not in use.

**OTHER PRECAUTIONS:** Do not cut, braze, solder, grind or weld empty containers. Do not reuse containers. Follow all SDS precautions in handling empty containers.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, dry, well-ventilated location away from oxidizing agents and other incompatible materials.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical Name	Exposure Limits
Isopropanol	400 ppm TWA OSHA PEL 200 TWA, 400 ppm ACGIH TLV

**Appropriate Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain concentrations below the occupational exposure limits. Use explosion proof electrical equipment and wiring where required.

**Personal Protective Equipment:**

**Respiratory Protection:** If needed, a NIOSH approved respirator with organic vapor cartridges may be used. For higher exposures, a supplied air respirator may be required. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

**Hand protection:** Impervious gloves are recommended when needed to avoid skin contact. Based on available test data, neoprene or nitrile gloves are suggested.

**Eye Protection:** Chemical safety goggles recommended.

**Skin Protection:** Impervious clothing as required to prevent skin contact and contamination of personal clothing.

**Hygiene measures:** Suitable eye wash and washing facilities should be available in the work area.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear, colorless liquid	<b>Odor:</b>	Alcohol odor t
<b>Odor Threshold:</b>	0.442 ppm (IPA)	<b>pH:</b>	Not applicable
<b>Melting/Freezing Point:</b>	Not available	<b>Boiling Point/Range:</b>	180°F (82.2°C)
<b>Flash Point:</b>	53.0°F(11.6°C) TCC	<b>Evaporation Rate:</b>	7.7
		<b>(ether=1):</b>	
<b>Flammability: (Solid, Gas)</b>	Not applicable	<b>Flammability Limits:</b>	UEL: 2% LEL: 12%
<b>Vapor Pressure:</b>	33.000 mmHg @ 68°F	<b>Vapor Density:</b>	Not available
<b>Relative Density:</b>	0.789 @ 60°F	<b>Solubilities:</b>	Soluble in Water
<b>Partition Coefficient:</b>	Not available	<b>Autoignition</b>	Not available
<b>(N-Octanol/Water)</b>		<b>Temperature:</b>	
<b>Decomposition</b>	Not available	<b>Viscosity:</b>	Not available
<b>Temperature:</b>			

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** None known.

**Chemical Stability:** Stable under normal conditions of storage or use.

**Possibility of Hazardous Reactions:** None known.

**Conditions to avoid:** Avoid heat, sparks, flames and all other sources of ignition. Do not use with aluminum equipment at temperatures above 120°F.

**Incompatible Materials:** Avoid acids, aldehydes, alkalis, amines, chlorinated hydrocarbons, chlorine, ethylene oxide, isocyanates and strong oxidizing agents.

**Hazardous decomposition products:** Combustion will produce carbon oxides and aluminum oxides.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Potential Health Effects:**

**Eye:** Causes eye irritation with redness, tearing and stinging. Contact with high concentrations of vapor may cause irritation.

**Skin:** May cause irritation with redness and swelling. Prolonged or repeated contact may result in defatting and dermatitis.

**Inhalation:** Inhalation of vapors or mists may cause mucous membrane and upper respiratory tract irritation. High vapor concentrations may cause headache, dizziness, drowsiness, nausea, fatigue and unconsciousness.

**Ingestion:** Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic Hazards:** None known.

**Carcinogen Status:** None of the components of this product at greater than 0.1% are listed as carcinogens by OSHA, IARC or NTP.

**Acute toxicity:** Toxicological testing has not been performed on this product as a mixture.

Acute Toxicity Estimate: Oral 35 714 mg/kg, Inhalation >5 mg/kg, Dermal >2000 mg/kg

Isopropanol: Oral rat LD50 5045 mg/kg; Inhalation rat LC50 72.6 mg/L/4 hr; Skin rabbit LD50 12800 mg/kg

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** No toxicity data available for the product.

Isopropanol: 96 hr EC50 Pimephales promelas 1000 mg/L, 24 hr LC50 daphnia magna >10,000 mg/L

**Persistence and Degradability:** Isopropanol is readily biodegradable.

**Bioaccumulative Potential:** Isopropanol has a BCF of 3 which suggests the potential for bioaccumulation is low.

**Mobility in Soil:** Isopropanol is highly mobile in soil.

**Other Adverse Effects:** None known

**SECTION 13: DISPOSAL INFORMATION**

**Disposal instructions:** Dispose of product in accordance with all local, state/provincial and federal regulations.

**Contaminated packaging:** Offer rinsed packaging material to local recycling facilities.

**SECTION 14: TRANSPORT INFORMATION**

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
<b>DOT (not over 1 liter)</b>		Limited Quantity			
<b>DOT (container over 1 liter)</b>	UN1219	Isopropanol Solution	3	II	None
<b>IMDG</b>	UN1219	Isopropanol Solution	3	II	None
<b>IATA</b>	UN1219	Isopropanol Solution	3	II	None

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

**Special precautions:** None known.

<b>SECTION 15: REGULATORY INFORMATION</b>
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**U.S. FEDERAL REGULATIONS:**

**CERCLA 103 Reportable Quantity:** This product is not subject to CERCLA reporting requirements. Many states have more stringent reporting requirements. Report spills and other releases as required under federal, state and local regulations.

**SARA TITLE III:**

**Hazard Category for Section 311/312:** Acute Health, Fire Hazard

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

**Section 302 Extremely Hazardous Substances (TPQ):** None

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

<b>SECTION 16: OTHER INFORMATION</b>
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<b>HMIS Ratings:</b> Health - 1	Flammability - 3	Reactivity - 0
<b>NFPA Ratings:</b> Health - 1	Flammability - 3	Reactivity - 0

**SDS Revision History:** Converted to GHS format - all sections revised.

**Date of preparation:** August 5th, 2015

**Date of last revision:** July 31st, 2015

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The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or the consequences of its use or misuse.