

SAFETY DATA SHEET

SECTION 1 – MANUFACTURER/PRODUCT IDENTIFICATION:

PRODUCT IDENTITY: GLASSPRO FLUX & PATINA REMOVER (CAT. # 5097 - 50971)

Manufacturer's (Distributor's) Name:

Creative Craftsmen Co., Inc.
27625 Diehl Road
Warrenville, Illinois 60555-3838

Emergency Telephone Number:

888- 215-4878

Information Telephone Number:

630-836-1353 Toll Free: 800-323-5668

Trade Name: Glasspro Flux & Patina Remover **Product Type:** Remover **Chemical Family:** Glycerin/Alkaline

SECTION 2 – HAZARDS IDENTIFICATION:

SECTION 2.1: HAZARD CLASSIFICATION:

**DANGER! THIS PRODUCT IS CORROSIVE TO THE EYES, SKIN AND RESPIRATORY TRACT
IT IS TOXIC AND CAN CAUSE DEATH IF INHALED OR SWALLOWED.**



Corrosive to metals
Causes severe skin burns
Causes serious eye damage/irritation
Causes lung damage if inhaled
Burns mucous membranes



Harmful if swallowed
Harmful in contact with eyes
Harmful in contact with skin
Harmful if inhaled

PRECAUTIONARY INFORMATION:

CAUSES CHEMICAL BURNS TO SKIN AND EYES. BREATHING MIST AND VAPORS CAN CAUSE RESPIRATORY TRACT IRRITATION OR BURNS. INGESTION OF LARGE AMOUNTS CAN CAUSE DIGESTIVE TRACT CHEMICAL BURNS, NAUSEA, VOMITING AND DEATH. CONTACT POISON CONTROL CENTER OR PHYSICIAN UPON EXPOSURE. KEEP AWAY FROM HEAT AND SOURCES OF IGNITION.

Do not breathe dust/mist/fume/vapor or spray. Avoid the generation and inhalation of dust and mist. Prevent eye contact and prolonged skin contact. Utilize appropriate protective clothing and eye and skin protection. Wear appropriate respiratory protection if dust/mist levels exceed exposure limits. Do not eat, drink or use tobacco products when there is potential exposure to this material. Wash hands thoroughly after handling. Prevent material from becoming airborne. See additional information on the SDS for further details regarding the safe use of this product.

SECTION 2.2: LABEL INFORMATION:

PRODUCT IDENTITY: GLASSPRO FLUX & PATINA REMOVER (CAT # 5097-50971)



Signal Word: DANGER

**Hazardous Components: Glycerin
Sodium Hydroxide**

HAZARD STATEMENT: Corrosive upon contact with eyes, skin, and the respiratory system.
Can cause irritation and chemical burns to skin and mucous membranes.

CAUTION: Avoid generating and breathing mist/vapor. Avoid skin and eye contact. Keep out of reach to children. Use chemical resistant personal protective equipment (gloves/clothing), safety goggles and an appropriate respirator.

EMERGENCY INFORMATION:

Immediately call a Poison Control Center or a physician. Remove contaminated clothing and contacts, if worn.

Important Systemic Effects:

Causes burns by all exposure routes. Product is corrosive. Ingestion can cause perforation of stomach or esophagus.

Inhalation:

Move to fresh air. Support breathing as needed. If breathing is difficult, give oxygen. Do not use mouth-to-mouth if substance was inhaled or ingested. Give artificial respiration with the aid of a pocket mask with one-way valve or other respiratory medical device. Immediate medical attention is required.

Eye Contact:

Immediately rinse eyes with warm potable water. Remove contacts if worn. Rinse for 15 minutes including under eyelids. Immediate medical attention is required.

Skin Contact:

Remove contaminated clothing. Immediately wash affected area with plenty of soap and water. Immediate medical attention is required.

Ingestion:

Do not induce vomiting. Rinse mouth. Drink milk or water if conscious. Immediate medical attention is required. Call a physician or Poison Control Center.

Note to Physician:

Inform medical personnel that victim was exposed to a sodium hydroxide solution.

SECTION 2 – HAZARDS IDENTIFICATION (Cont.):

NFPA Fire Diamond

Fire (Red) = 0
 Health (Blue) = 3
 Reactivity (Yellow) = 1
 Special Hazard (White)

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SECTION 3 – HAZARDOUS INGREDIENTS INFORMATION:

This product contains material that may be hazardous when airborne as a particulate. This material is also hazardous upon contact with eyes, skin and the respiratory system.

HAZARDOUS COMPONENTS^a:**(Specific Chemical Identity;**

Common Name)	CAS Number^b	SARA^c	OSHA PEL^d	ACGIH TLV^e	NOTES	PERCENT^f
Glycerin (1,2,3-Propanetriol)	56-81-5		5 mg/m ³ 15 mg/m ³	NA	As Mist Respirable	<30
Sodium Hydroxide	1310-73-2	X	2 mg/m ³	2 mg/m ³	Total Particulate (ACGIH = Ceiling)	<20

Notes:

- The term "Hazardous" is defined in the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and does not necessarily imply the existence of any hazard. All components at concentrations equal to or greater than 1.0 percent (0.1 percent if a carcinogen) are listed in this section, according to OSHA 29 CFR 1910.1200.
- The CAS Number designation is the Chemical Abstract Service Number. A CAS number is assigned to each individual chemical.
- An asterisk (*) indicates a toxic chemical subject to Environmental Protection Agency (EPA) reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and 40 CFR Part 372.
- These permissible exposure limits (PELs) are based on OSHA's rulemaking (29 CFR 1910 Subpart Z) adopted in 1971 and are the current regulatory limits, unless otherwise noted. These values are reported as milligrams of contaminant per cubic meter of air (mg/m³).
- These values are based on the American Conference of Governmental Industrial Hygienists (ACGIH) 2016 TLVs.
- Approximate percent by weight values. The amount of each ingredient in this product is confidential and deemed proprietary. Please contact the manufacturer for detailed information.

SECTION 4 – FIRST AID PROCEDURES:

- Eyes:** Hold eyelids apart and flush eyes with plenty of warm water potable for at least 30 minutes. Remove contacts if worn. Immediate medical attention is required.
- Skin:** Remove contaminated clothing and wash affected area with plenty of soap and water for at least 15 minutes. If redness or irritation develops, seek medical attention. Immediately medical attention is required.
- Inhalation:** Move to fresh air. Support breathing as needed. If breathing is difficult, give oxygen. Do not use mouth-to-mouth if substance was inhaled or ingested. Give artificial respiration with the aid of a pocket mask with one-way valve or other respiratory medical device. Immediate medical attention is required.
- Ingestion:** Do not induce vomiting. Rinse mouth. Drink milk or water if conscious. Never give anything by mouth to an unconscious person. Immediate medical attention is required. Call a physician or Poison Control Center.
- Note to Physician:** Skin, eye and respiratory burns are of concern. Product contains sodium hydroxide, a strong corrosive.

SECTION 5 – FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT (Method Used): This product is nonflammable and will not support combustion.

FLAMMABLE LIMITS: LEL: NA UEL: NA

AUTOIGNITION TEMPERATURE: NA

UNSUITABLE EXTINGUISHING MEDIA: DO NOT USE CARBON DIOXIDE (CO₂).

EXTINGUISHING MEDIA: Use dry chemical powder or extinguishing media most appropriate for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Wear appropriate protection for the surrounding fire. When fighting chemical fires wear self-contained breathing apparatus and full protective chemical resistant clothing. Do not release runoff to sewers and waterways. Cool tanks with water spray until well after fire is out.

UNUSUAL FIRE AND EXPLOSION HAZARDS: When subjected to heat and flames, irritating and toxic fumes such as hydrochloric acid, carbon oxides (CO & CO₂) and sulfur oxides may be released. Keep away from heat and sources of ignition.

Glycerin is incompatible with strong oxidizers and may explode upon contact. Glycerin may become explosive if mixed with other incompatible materials.

SECTION 6 – ACCIDENTAL RELEASE MEASURES:**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Caution: This material is a liquid and is slippery on surfaces. Prevent skin and eye contact. Do not breathe mist/fumes. Do not leave spills on floors unattended. Barricade spill area until cleanup is complete. Avoid stepping in spilled material. Eliminate all ignition sources.

LARGE SPILLS: Not likely due to container sizes. For large spills wear self-contained breathing apparatus and protective suit. Contain spill immediately with absorbent booms or other appropriate material. Evacuate personnel to safe areas. Absorb with inert material and place in appropriate waste disposal. Clean up using wet methods. Rinse clean floors thoroughly.

SMALL SPILLS: Contain small spills using appropriate personal protective equipment including alkaline resistant gloves and clothing and appropriate respiratory protection. Use appropriate containment materials including neutralizers and sand or other non-combustible absorbents. Place absorbents into appropriate containers for disposal.

SPILL CLEANUP: During clean up of dried material avoid creating airborne dust and vapors (e.g., use wet methods). Where product is dry and may become airborne, utilize appropriate personal protective equipment such as a NIOSH approved air-purifying respirator equipped with filters approved for particulate (P-100) and alkaline fumes. Keep spilled material and waste out of sewers and waterways. If an emergency situation exists, contact spill response personnel.

US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. CECLA Reportable Quantity: 1000 lbs For Sodium Hydroxide (CAS# 1310-73-2)

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE:**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Keep away from heat and sources of ignition.

Use only under a chemical fume hood. Wear appropriate personal protection.

When not in use, store in tightly closed containers in a dry, cool, well-ventilated area. Store out of direct sunlight. Do not store with incompatible materials. Use only when wearing appropriate personal protective equipment. Use only with adequate ventilation that keeps mist/vapor at levels below the permissible exposure limit (PEL). Handle so as not to create airborne mist/vapor. Avoid breathing mist/vapor. Utilize appropriate NIOSH-approved respirator if airborne exposure exceeds the PEL. Handle with care. Avoid unnecessary eye and prolonged skin contact. Do not ingest. Wash thoroughly after handling. Professionally wash contaminated clothing before reuse.

PRECAUTIONS TO BE USED DURING REPAIR AND MAINTENANCE: Not Applicable

OTHER PRECAUTIONS: Empty containers may contain residue and are considered hazardous. Do not reuse empty containers other than for their intended purpose. Keep out of reach of children.

SECTION 8– CONTROL MEASURES/PERSONAL PROTECTION:**VENTILATION:**

Local Exhaust: Maintain airflow away from user to remove all fumes and vapors and to keep exposure below the PEL. If necessary, use enclosures with local exhaust ventilation to keep exposures below PELs.

Mechanical: If necessary to keep mist/vapor levels below PELs. Recommended for confined areas and when handling dry material.

Special: NA

RESPIRATORY PROTECTION (Specify Type): Under normal conditions of use, respiratory protection is not needed. Where exposure above the OSHA PEL is likely, utilize a NIOSH approved half-mask or full-face piece air-purifying respirator (APR) equipped with filters approved for particulate. APRs do not protect workers in oxygen deficient atmospheres. If there is a potential for an uncontrolled release, exposure levels are not known, or there are circumstances where an APR may not provide adequate protection, use a positive pressure air supplied respirator.

PROTECTIVE GLOVES: Utilize chemically resistant gloves to protect against alkaline exposure including neoprene, nitrile, PVC, or viton.

EYE PROTECTION: Chemical safety goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Utilize protective clothing that is used in a soldering operation.

SAFETY STATIONS: Make available in the work area emergency eyewash stations, safety showers and washing facilities.

WORK/HYGIENIC PRACTICES: Avoid skin and eye contact. Avoid breathing mist/vapor. Practice good personal hygiene. Do not eat, drink, smoke, or apply cosmetics in work areas. Wash face and hands prior to eating, drinking or other hand-to-mouth activities. Launder contaminated clothing before reuse.

SECTION 9 – PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT:	≈212 °F	VAPOR DENSITY (Air = 1)	NA
MELTING POINT:	ND	VAPOR PRESSURE (mm Hg):	NA
SPECIFIC GRAVITY:	Less than 1.032 (H ₂ O = 1)	EVAPORATION RATE (Butyl Acetate = 1):	<1
Bulk Density:	NA	SOLUBILITY IN WATER:	Miscible
pH:	NA		
APPEARANCE AND ODOR:	Clear colorless liquid with mild odor.		

SECTION 10 – STABILITY AND REACTIVITY:

STABILITY:	Stable:	X	Unstable:	
Conditions to Avoid:	Incompatible products. Excess heat and ignition. Moisture. Contact with metals produces hydrogen gas, which can form flammable or explosive mixtures in air. Will generate heat when mixed with acids.			
INCOMPATIBILITY (Materials to Avoid):	Strong oxidizers, strong acids, organic materials, and metals. Always test the compatibility of materials before mixing or storing together.			
HAZARDOUS POLYMERIZATION:	May Occur:		Will Not Occur:	X
Conditions to Avoid:	None known.			
DECOMPOSITION PRODUCTS:	Hydrogen gas, sodium oxides, carbon dioxide and carbon monoxide.			

SECTION 11 – HEALTH HAZARD DATA:

ROUTE(S) OF ENTRY:	Skin/Eye Contact:	Skin Absorption:	Ingestion:
	Inhalation: Yes	Yes	Yes
	Unlikely	Unlikely	Unlikely
HEALTH HAZARDS (Acute and Chronic):			
Acute (Short-Term) Effects:			
<u>Eye contact:</u> Corrosive. Can irritate and chemically burn the eyes and mucous membranes. Symptoms of eye contact include pain, redness in the eyes, blurred vision, tissue damage and blindness.			
<u>Skin contact:</u> Corrosive. Can irritate and chemically burn the skin. Symptoms of skin contact many include pain, redness and tissue damage. Can permeate the skin.			
<u>Inhalation:</u> Corrosive. Inhalation of significant quantities of mist or vapor may damage the respiratory tract and mucous membranes. Symptoms can include labored breathing, sore throat and coughing. Symptoms can be delayed.			
<u>Ingestion:</u> May be fatal. Swallowing large amounts can irritate or burn the mouth and gastrointestinal tract. Symptoms may include pain, ulceration, nausea and vomiting.			
<u>Systemic Effects:</u> Exposure of any kind can result in corrosive damage to eyes, skin and mucous membranes.			
Chronic (Long-Term) Effects:			
Repeated and prolonged inhalation of mist and vapors may cause contact burns scarring of skin, eyes and impaired lung function including and scarring of the nose, throat and respiratory tract.			
The substance may be toxic to kidneys. Repeated or prolonged exposure to the substance can produce target organs damage.			
<u>Reproductive or developmental effects:</u> No ingredient is listed on the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) list of chemicals known to cause reproductive effects.			

CARCINOGENICITY: NTP: NO IARC: NO OSHA REGULATED: NO
 * * This product does not contain any ingredient that is designated as a carcinogen by the National Toxicology Program (NTP) Annual Report on Carcinogens, by the International Agency for Research on Cancer (IARC) and by OSHA.

** This product does not contain or produce a chemical known to the State of California and other states, if applicable, to cause cancer.

SIGNS AND SYMPTOMS OF EXPOSURE:

Skin, eye and respiratory tract irritation or damage. Skin may redden with pain. Eyes will burn. Will irritate or burn the respiratory tract if inhaled. May irritate or burn the intestinal tract if ingested.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Skin, eye and respiratory tract ailments.

SECTION 12 – ECOLOGICAL INFORMATION:

Toxicity: Do not empty containers into drains. Large amounts released will harm aquatic organisms.

Persistence and Degradability: Soluble in water so persistence in water is unlikely.

Mobility: Will be mobile in the environment due to its solubility in water.

SECTION 13 – DISPOSAL:

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and/or federal regulations. Consult an environmental expert for advice on disposal. In small quantities, this material is not classified as a hazardous waste and is not regulated under RCRA. Small amounts and cleanup debris can be disposed of as regular waste. (40 CFR 261.20-24)

SECTION 14 – TRANSPORTATION DATA:

DOT Proper Shipping Name:	Sodium Hydroxide Solution, mixture
UN Hazard Class:	8, Corrosive Liquid Alkaline
UN Number:	1824
Packing Group:	PG II
DOT Label:	ORM-D

SECTION 15 – REGULATORY INFORMATION:

OSHA Hazard Communication Standard 29 CFR 1919.1000

OSHA PELs 29 CFR 1910.1000

EPA SARA Section 313 and 40 CFR Part 372

EPA Waste Disposal Regulations

California Proposition 65

Pennsylvania Code Title 34

SECTION 16 – OTHER INFORMATION:

This Safety Data Sheet (SDS) was prepared to comply with the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS). The SDS also complies with the OSHA Hazard Communication Standard (29 CFR 1910.1200).

The information contained within this SDS is based on data believed to be correct and reliable. All information appearing within this SDS is based upon data obtained from suppliers of the raw materials. While the information is believed to be accurate, Creative Craftsmen Co. Inc. makes no representation as to its accuracy or sufficiency. No guarantee or warranty is expressed or implied regarding the accuracy of this data and information contained herein. Creative Craftsmen Co. Inc. expressly disclaims all expressed or implied warranties for merchantability and fitness for a particular purpose, with respect to the product or information provided herein.

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