

SAFETY DATA SHEET

Glow NP II

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

DATE: 05/22/2015 / **Supersedes Revision:** 02/10/2015

Distributor:

Alco-Chem, Inc.
45 N. Summit Street
Akron, OH 44308
Phone: (330) 253-3535
Website: www.alco-chem.com

EMERGENCY CONTACT: Chem-Tel, Inc.
Phone: 1-800-255-3924

Product Name: Glow NP II
ID Code: 4356

SECTION 2: HAZARD(S) IDENTIFICATION

Skin Corrosion/Irritation, Category 1A

Serious Eye Damage/Eye Irritation, Category 1



GHS Signal Word: DANGER

GHS Hazard Phrases:

H314 - Causes severe skin burns and eye damage.

H318 - Causes serious eye damage.

GHS Precaution Phrases:

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.

P310 - Immediately call a POISON CENTER or doctor/physician.

P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases:

P405 - Store locked up.

P501 - Dispose of contents/container to waste after rinsing container.

Hazard Rating System:

HMIS

Health: 2

Flammability: 0

Physical: 1

PPE: B

Potential Health Effects (Acute and Chronic): Prolonged or repeated skin contact may cause dermatitis. Chronic: Effects may be delayed.

Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Irritation may lead to chemical pneumonitis and pulmonary edema. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma. Causes chemical burns to the respiratory tract. May cause respiratory tract irritation. No hazard expected in normal industrial use.

Skin Contact: Causes skin burns. May cause deep, penetrating ulcers of the skin. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color. May cause skin irritation.

Eye Contact: Causes eye burns. May cause chemical conjunctivitis and corneal damage. May cause eye irritation.

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Ingestion: Harmful if swallowed. Causes burns. May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns. Causes severe pain, nausea, vomiting, diarrhea, and shock. May cause corrosion and permanent tissue destruction of the esophagus and digestive tract. May cause systemic effects. No hazard expected in normal industrial use.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	<10.0 %
34590-94-8	Propanol, (2-Methoxymethylethoxy)- {(not 313)}	< 1.5 %

SECTION 4: FIRST-AID MEASURES

Emergency and First Aid Procedures: Show this safety data sheet to the doctor in attendance.

In Case of Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical aid. No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

In Case of Skin Contact: Consult a physician. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

In Case of Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Do NOT induce vomiting.

Signs and Symptoms Of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Note to Physician:

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point: NP Method Used: Estimate

Explosive Limits: LEL: UEL:

Autoignition Pt: NP

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Do NOT get water inside containers. For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Not available.

Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. Use water with caution and in flooding amounts. Contact with moisture or water may generate sufficient heat to ignite nearby combustible materials. Contact with metals may evolve flammable hydrogen gas. Further information. Use water spray to cool unopened containers. Material will not burn.

Flammable Properties and Hazards:

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Personal precautions. Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Environmental precautions. Do not let product enter drains. Methods for cleaning up. Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal. Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Do not get water on spilled substances or inside containers. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

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SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Wash thoroughly after handling. Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Avoid ingestion and inhalation. Discard contaminated shoes. Keep away from sources of ignition - No smoking. No special handling procedures are required.

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from metals. Corrosives area. Keep away from acids. Containers which are opened must be carefully resealed and kept upright to prevent leakage. No special storage requirements.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	PEL: 2 mg/m ³	CEIL: 2 mg/m ³	
34590-94-8	Propanol, (2-Methoxymethylethoxy)- {(not 313)}	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	

Respiratory Equipment (Specify Type): Respirator protection is not normally required.

Eye Protection: Safety glasses with side-shields conforming to EN166.

Protective Gloves: Handle with gloves. Wear appropriate protective gloves to prevent skin exposure. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. There are no special ventilation requirements.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical States: ☐ Gas ☒ Liquid ☐ Solid

Appearance and Odor: Clear tan liquid
Mild odor.

Melting Point: No data

Boiling Point: No data

Autoignition Pt: NP

Flash Pt: NP Method Used: Estimate

Explosive Limits: LEL: No data UEL: No data

Specific Gravity (Water = 1): ~ 1.1

Vapor Pressure (vs. Air or mm Hg): ~ 12 MM_HG

Vapor Density (vs. Air = 1): No data

Evaporation Rate:

Solubility in Water: Complete

Viscosity: thin

pH: > 12.0

Percent Volatile:

SECTION 10: STABILITY AND REACTIVITY

Stability: Unstable ☐ Stable ☒

Conditions To Avoid - Instability: Avoid contact with acids, reducing agents, oxidizers, nitrogen oxides, amines, ammonia or other nitrogen containing compounds. Heat, flames and sparks.

Incompatibility – Materials To Avoid: Incompatible with alkalis, sol carbonates, gold and silver salts, lead acetate, lime water, potassium iodide, potassium and sodium tartrate, sodium borate, tannin, vegetable astringent infusions and decoctions. chemically active metals, Sulfur oxides. Metals. Acids, Aluminum, Zinc, gelatin, nitromethane, leather, flammable liquids, organic halogens. Strong acids.

Hazardous Decomposition Or Byproducts: formed under fire conditions. Sodium oxides, silicon oxides. Toxic fumes of sodium oxide, Carbon oxides.

Possibility of Hazardous Reactions: Will occur ☐ Will not occur ☒

Conditions To Avoid -Hazardous Reactions: Product will not undergo polymerization.

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SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information: Acute dermal toxicity: LD50 rabbit Dose > 2,000 mg/kg Skin irritation: Rabbit Non irritant Eye irritation: Rabbit minimal irritant. No data available. Epidemiology: No information found. Reproductive Effects: Mutagenicity: See actual entry in RTECS for complete information. Neurotoxicity:

Irritation or Corrosion: Serious eye damage/eye irritation:

Chronic Toxicological Effects: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Carcinogenicity/Other Information: CAS# 1310-73-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Carcinogenicity. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	n.a.	n.a.	n.a.	n.a.
34590-94-8	Propanol, (2-Methoxymethylethoxy)- {(not 313)}	n.a.	n.a.	n.a.	n.a.

SECTION 12: ECOLOGICAL INFORMATION

General Ecological Information: Biodegradability.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Product. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Contaminated packaging. Dispose of as unused product. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed. Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14: TRANSPORTATION INFORMATION (DOT/UN CLASSIFICATION)

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (contains Sodium hydroxide)

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN3266

Packing Group: II

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: CORROISVE



SECTION 15: REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}	No	Yes 1000 LB	No
34590-94-8	Propanol, (2-Methoxymethylethoxy)- {(not 313)}	No	No	No

CAS #	Hazardous Components (Chemical Name)
1310-73-2	Sodium hydroxide {Caustic soda; Lye solution}
34590-94-8	Propanol, (2-Methoxymethylethoxy)- {(not 313)}

Other US EPA or State Lists

CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test, 8A PAIR; CA PROP.65: No

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SECTION 16: OTHER INFORMATION

Revision Date: 05/22/2015

Preparer Name: Regulatory Affairs

Additional Information About This Product:

Company Policy or Disclaimer: The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.