

GELEST, INC.
 11 East Steel Rd. Morrisville, PA 19067
 Phone: (215) 547-1015

**MATERIAL SAFETY
DATA SHEET**

**EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300**

NAME USED ON LABEL: SODIUM n-PROPOXIDE 20% in n-PROPANOL-AKS780

CHEMICAL NAME: SODIUM n-PROPOXIDE 20% in n-PROPANOL

SYNONYMS: SODIUM PROPYLATE

CHEMICAL FAMILY: METAL ALCOHOLATE

FORMULA: C₃H₇ONa

HMIS CODES HEALTH: 3 FLAMMABILITY: 4 REACTIVITY:1

IDENTITY	CAS NO.	%	TLV	OSHA PEL
SODIUM n-PROPOXIDE n-PROPANOL	6819-41-6 71-23-8	>15% >75%	not established 200ppm	TWA: 200ppm

PHYSICAL DATA

Boiling Point: 97° (initial, n-propanol)

Specific Gravity: 0.866

Vapor Density, air =1: N/A

% volatiles: >75

Molecular Weight: 82.08

Appearance & Color: Clear to amber, slightly viscous liquid

Melting Point: NA

Vapor Pressure, 50°C: 40mm

Solubility in water: reacts

Evaporation rate: NA

Other: N/A

FIRE & EXPLOSION DATA

Flash Point, COC: 23°C (72°F) Autoignition Temp. (n-propanol): 404°C

Flammability Limits-n-propanol LEL: 2.1% UEL: 13.5%

Extinguishing Media: Dry chemical extinguisher, dry soda ash.

Special Fire Fighting Procedures: Protect against caustic dust, smoke and water. Wear pressure demand self-contained breathing apparatus with full facepiece and full protective clothing.

Unusual Fire and Explosion Hazards: Irritating fumes and caustic vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(AKS780)

Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number

ENVIRONMENTAL INFORMATION

Spill response: Ventilate area. Eliminate ignition sources. Absorb material into oilabsorbent type clay, scoop into a dry metal container and cover loosely. Take to a chemical disposal area, then flush with a copious amount of water, collecting all caustic wastewater for proper disposal.

Recommended disposal: Treat quantities of 500 grams or less by flooding with water. Water solution will be caustic. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: Sodium n-propoxide will cause immediate or delayed severe caustic burns to the eyes.

Skin contact: Will cause irritation and burns. Worker will notice a slippery feeling on washing.

Inhalation: Inhalation will cause sneezing, irritation and burns.

Oral Toxicity: not determined

Inhalation Toxicity: not determined

Eye Irritation: not determined

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes, holding eyes open. Get medical attention.

SKIN: Immediately flush with water for at least fifteen minutes.

INHALATION: Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Give a demulscent such as milk, olive oil, or margarine in small amounts, up to two or three tablespoons.

REACTIVITY DATA

Stability: Stable under nitrogen or argon in sealed containers.

Conditions to avoid: Material decomposes slowly in contact with moist air and rapidly in contact with water. Avoid contact with moist air, water, acids, alcohols, ketones, esters, carbon dioxide, halogens.

Hazardous decomposition products: Sodium hydroxide, n-propanol and caustic organic vapors.

-2-(AKS780)

Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number
Gelest, Inc. © 2008

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, a NIOSH approved caustic organic vapor-type respirator should be worn.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. Long-sleeved fire-resistant lab uniform or coverall is recommended. An eyewash and emergency shower should be available. Launder clothing before reuse.

OTHER PRECAUTIONS

For research and industrial use only.

Storage and Handling: Store under dry nitrogen or argon in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME:FLAMMABLE LIQUID, CORROSIVE, N.O.S. (n-PROPANOL)

DOT HAZARD CLASS: FLAMMABLE LIQUID

DOT LABELS: FLAMMABLE LIQUID, CORROSIVE

DOT ID No: UN 2924

PG: III

Prepared by safety and environmental affairs

ISSUE DATE AKS780: 4/3/13

SUPERSEDES: 2/18/03

The information contained in this document has been gathered from reference materials and/or Gelest, Inc. test data and is to the best knowledge and belief of Gelest, Inc. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. Gelest, Inc. makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore. Information on this safety data sheet is not intended to constitute a basis for product specifications.

-3-(AKS780)

© 2013 Gelest Inc. Morrisville, PA 19067