

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

IDENTIFIER (AS LABELED): Sodium Hydroxide – Pure- Food Grade (Caustic-Soda, Lye)

RECOMMENDED USE/RESTRICTION: pH modification, soap base

MANUFACTURER'S NAME: Sunshine Candle Works
197 Bacon Rd NW
Carrollton, OH 44615
(330) 316-4206

EMERGENCY PHONE: CHEMTREC (800) 262-8200
+1.800.255.3924 (US, Canada, Puerto Rico, USVI)
+1.813.248.0585 (International)

Health	3
Fire	0
Reactivity	0

2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION: Skin Corrosion (1A)
Eye Damage (1)
Acute Toxicity, Dermal (4)

SIGNAL WORD: Danger

HAZARD STATEMENT(S): Causes severe skin burns and eye damage. Harmful in contact with skin. Harmful if swallowed

SYMBOL(S):



PRECAUTIONARY STATEMENT(S): Do not breathe dusts, mists or vapors. Wash exposed skin thoroughly after handling. Wear protective clothing when handling the product. If swallowed: rinse mouth and seek medical attention if irritation persists. If in eyes or on skin: Rinse area with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention after rinsing eyes, or if skin irritation persists.

HAZARDS NOT CLASSIFIED: Not Applicable

UNKNOWN ACUTE TOXICITY: Not Applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% w/w	EXPOSURE LIMITS IN AIR					
			ACGIH			OSHA		NIOSH
			TLV TWA	STEL	PEL	STEL	IDLH	REL
Sodium Hydroxide	1310-73-2	100	2mg/m ³	NE	2mg/m ³	NE	NE	NE

4. FIRST AID MEASURES

INHALATION: Remove person to fresh air and keep comfortable for breathing. Contact POISON CONTROL or seek medical attention.

EYES: Hold eyelids open and flush with a steady stream of water for 20 minutes. Seek medical attention after rinsing.

SKIN: Wash affected area with soap and water. Contact POISON CONTROL or seek medical attention.

INGESTION: Rinse mouth. **DO NOT INDUCE VOMITING** unless directed by a medical professional. Call POISON CONTROL.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MATERIALS: Not considered to be a fire hazard. Use extinguishing media applicable to the surrounding fire.

SPECIAL EQUIPMENT: Use water spray to cool containers. Wear full protective clothing and self-contained breathing apparatus (SCBA).

SPECIFIC HAZARDS: When heated to decomposition, this product may emit carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Contain material and absorb with inert material. In some cases dilution with significant water may be required. Disposal according to Federal, State and local regulations. Do not allow concentrated material to discharge into controlled waterways. Wear PPE according to Section 8.

7. HANDLING AND STORAGE

SAFE HANDLING: Wash hands after handling material. Do not eat, drink, or smoke while handling material. Do not get in eyes. Mixture is toxic when consumed by animals.

SAFE STORAGE: Store in cool, dry, well-ventilated area away from incompatible materials. Keep container closed when not in use. Material is hygroscopic and will react with moisture in the air. Reaction to moisture is exothermic and will generate significant heat..

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use with adequate ventilation

RESPIRATORY: NIOSH-approved respirator **EYE:** Face shield and goggles

HAND: Hand protection made of compatible material **BODY:** Appropriate for exposure or work environment

OTHER PROTECTIVE MEASURES: Eye wash fluid should be accessible in case of eye irritation due to exposure

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White granular
PH: ≥14 (in solution)
FLASH POINT: Not Established
UEL / LEL: Not Established
RELATIVE DENSITY: ~2.13
AUTO-IGNITION: Not Established

ODOR: Not Established
MELT/FREEZE POINT: ~604°F
EVAPORATION RATE: Not Established
VAPOR PRESSURE: Not Established
SOLUBILITY(IES): Water, Alcohol
DECOMPOSITION TEMP: Not Established

ODOR THRESHOLD: Not Established
BOILING POINT/RANGE: 2,530°F
FLAMMABILITY: Not Established
VAPOR DENSITY: Not Established
PARTITION COEFFICIENT: Not Established
VISCOSITY: Not Established

10. STABILITY AND REACTIVITY

REACTIVITY: Reacts with some metals to release flammable gasses/vapors
CHEMICAL STABILITY: Stable under normal conditions. Material is hygroscopic when exposed to ambient conditions.
CONDITIONS TO AVOID: Direct sunlight or temperature extremes
INCOMPATIBLE MATERIALS: Strong acids and metals. Dilution with water will evolve heat.
HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Acute toxicity values are not established. Estimated values are below.
NTP/IARC SUSPECTED CARCINOGEN: Not suspected.
SYMPTOMS OF EXPOSURE: Harmful if swallowed. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.
TOXICITY ESTIMATE(S):

DERMAL (RAT):	5675 mg/kg
ORAL (RAT):	≥90 g/kg

12. ECOLOGICAL INFORMATION

ECOTOXICITY: This material is not classified as environmentally hazardous.
LC50 (Fish): 191 mg/l
EC50 (Daphnia): 170 mg/l
PERSISTENCE AND DEGRADABILITY: Material is biodegradable
BIOACCUMULATIVE POTENTIAL: Product is biodegradable and non-accumulative
MOBILITY IN SOIL: Not tested as a whole
OTHER ADVERSE EFFECTS: May cause adverse pH modification in aqueous ecological systems

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal is to be performed in compliance with federal, state/provincial and local regulations.

14. TRANSPORT INFORMATION

UN NUMBER/SHIPPING NAME: 1823/Sodium Hydroxide, Solid
TRANSPORT HAZARD CLASS(ES): 8 – Corrosive Material
DOT: Not considered hazardous in limited quantities, <1kg (2.2 pounds)
PACKING GROUP: II
SPECIAL PROVISIONS: 1B8, IP2, IP4, T3, TP33
PACKAGING EXCEPTIONS: 154
PACKAGING NON-BULK: 212
PACKAGING BULK: 240
ENVIRONMENTAL HAZARDS: No
TRANSPORT IN BULK: Stow separated from acids
SPECIAL PRECAUTIONS: None

15. REGULATORY INFORMATION

SARA 302: No requirements.
SARA 311/312: Acute
SARA 313: No requirements.
TSCA STATUS: All constituents.
CALIFORNIA PROPOSITION 65: Not found.
CERCLA (RQ): Sodium Hydroxide (1000-lbs.)
STATE REGULATIONS: Sodium Hydroxide: MA, NJ, PA
EUROPEAN INVENTORY: Constituents of this product are listed on EINECS

16. OTHER INFORMATION

The information and recommendations expressed herein are those of qualified experts taken from data contained in independent industry recognized references including NIOSH, OSHA, ANSI, and NFPA. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of Sunshine Candle Works, it is the user's obligation to determine the conditions of safe use of the products. No guarantee, express or implied, and no liability is assumed by Sunshine Candle Works in conjunction with the use of this information.

Date of Preparation: 01-11-23