BRAMBLE BERRY
HANDCRAFT PROVISIONS

Safety Data Sheet
Sodium Hydroxide Lye (V000459)

January 16, 2019

Section 1: Chemical Product and Company Identification

Product name: Sodium Hydroxide

Contact Info:
Bramble Berry Inc.
2138 Humboldt Street
Bellingham, WA 98225
info@brambleberry.com
www.brambleberry.com
1-877-627-7883

Emergency Phone Number:
Within USA & Canada: 1.800.424.9300 CCN693143
Outside USA & Canada: +1.703.527.3887 (collect calls accepted)

Section 2: Hazards Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

DANGER

Causes severe skin burns and eye damage. Harmful to aquatic life.

GHS Classification:
Skin Corrosion/Irritation Category 1, Serious Eye Damage/Eye Irritation Category 1, Hazardous to the aquatic environment – Acute Category 3

Acute Toxicity Oral Contains	100 % of the mixture consists of ingredient(s) of unknown toxicity
Acute Toxicity Inhalation Gas Contains	100 % of the mixture consists of ingredient(s) of unknown toxicity
Acute Toxicity Inhalation Dust/Mist Contains	100 % of the mixture consists of ingredient(s) of unknown toxicity

Section 3: Composition/Information on Ingredients

Chemical Name	CAS #	%
Sodium Hydroxide	1310-73-2	100

Section 4: First Aid Measures

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortablefor breathing.
Eye Exposure:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin Exposure:	Remove/Take off immediately all contaminated clothing. Rinseskin with water/shower. Wash contaminated clothing before reuse.
Ingestion:	Rinse mouth. Do NOT induce vomiting.

Section 5: Fire-Fighting Measures

Extinguishing Media:	Use dry chemical, CO2 or appropriate foam.
Fire Fighting Methods and Protection:	Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Fire and/or Explosion Hazards:	Reacts with water or steam to produce toxic and corrosive fumes. Fire or excessive heat may produce hazardous decomposition products.
Hazardous Combustion Products:	None Known

Section 6: Accidental Release Measures

Steps to Take in Case Material Is Released or Spilled:
Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits. Persons not wearing appropriate protective equipment should be excluded from area of spill until clean-up has been completed. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

Section 7: Handling and Storage

Handling:	Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Storage:	Store locked up. Keep container tightly closed in a cool, well-ventilated place.
Storage Code:	White - Corrosive. Separate acids from bases; separate oxidizer acids from organic acids.

Section 8: Exposure Controls/Personal Protection

Chemical Name	ACGIH (TWA)	ACGIH (STEL)	OSHA PEL (TWA)	OSHA PEL (STEL)
Sodium Hydroxide	N/A	N/A	2mp/m3 TWA	N/A

Control Parameters

Engineering Measures:	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.
Personal Protective Equipment (PPE):	Lab coat, apron, eye wash, safety shower.
Respiratory Protection:	Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.
Respirator Type(s):	None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.
Eye Protection:	Wear chemical splash goggles when handling this product. Additionally, wear a face shield when the possibility of splashing of liquid exists. Have an eye wash station available.
Skin Protection:	Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
Gloves:	Natural latex, Nitrile, Nitrile - Extra Thick (8 mm), Neoprene

Section 9: Physical and Chemical Properties

Formula:	NaOH	Vapor Pressure:	0 hPa at 20°C
Molecular Weight:	39.99	Evaporation Rate (BuAc=1):	Non-volatile
Appearance:	White solid	Vapor Density (Air+1):	No data available
Odor:	No data available	Specific Gravity:	2.130 @ 25°C
Odor Threshold:	No data available	Solubility in Water:	Soluble
pH:	14 (5%solution)	Log Pow	No data available

Melting Point:	318 C	(calculated): Autoignition Temperature:	No data available
Boiling Point:	1390 C	Decomposition Temperature:	No data available
Flash Point:	No data available	Viscosity:	No data available
Flammable Limits in Air:	No data available	Percent Volatile by Volume:	No data available

Section 10: Stability and Reactivity

Reactivity:	Mildly reactive – see below
Chemical Stability:	Stable under normal conditions
Conditions to Avoid:	Exposure to moisture reaction with water is exothermic
Incompatable Materials:	Strong reducing agents, acids, hydroquinone, organic halides, phosphorus, alcohols, metals, aldehydes
Hazardous Decomposition Products:	None known
Hazardous Polymerization:	Will note occur

Section 11: Toxicological Information

Routes of Entry:	Ingestion, skin and eye contact.
Symptoms (Acute):	No data available
Delayed Effects:	No data available

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Hydroxide	1310-73-2	Not applicable	Dermal LD50 Rabbit 1350 mg/kg	Not applicable

Carcinogenicity:

Chemical Name	CAS Number	IARC	NTP	OSHA
Sodium Hydroxide	1310-73-2	Not listed	Not listed	Not listed

Chronic Effects:

Mutagenicity:	No evidence of a mutagenic effect.
Teratogenicity:	No evidence of a teratogenic effect (birth defect).
Sensitization:	No evidence of a sensitization effect.
Reproductive:	No evidence of negative reproductive effects.

Target Organ Effects

Acute:	No data available
Chronic:	No data available

Section 12: Ecological Information

Overview: Moderate ecological hazard. This product may be dangerous to plantsand/or wildlife.

Mobility: This material is expected to have very high mobility in soil. It does not absorb to most soil types.

Persistence: Dissolved into water

Bioaccumulation: Bioconcentration is not expected to occur.

Degradability: Does not biodegrade readily.

Other Adverse Effects: No data

Chemical Name	CAS Number	Eco Toxicity
Sodium Hydroxide	1310-73-2	Aquatic LC50 (96h) Rainbow Trout 45.4 MG/L

Section 13: Disposal Conditions

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

Waste Disposal Code(s): If discarded, this product is considered a RCRA corrosive waste, D002.

Section 14: Transport Information

Ground - DOT Proper Shipping Name:
UN1823
Sodium Hydroxide, Solid
Class 8
P.G. II

Air - IATA Proper Shipping Name:
UN1823
Sodium Hydroxide, Solid
Class 8
P.G. II

Section 15: Regulatory Information

TSCA Status: All components in this product are on the TSCA Inventory.

Chemical Name	CAS Number	§313 Name	§304 RQ	CERCLA RQ	§302 TPQ	CAA 112(2) TQ
Sodium Hydroxide	1310-73-2	No	1000 lb RQ	1000 lb (454kg) final RQ	No	No

Section 16: Other Information

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The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary:

ACGIH -	American Conference of Governmental Industrial Hygienists
CAS -	Chemical Abstract Service Number
CERCLA -	Comprehensive Environmental Response, Compensation, and Liability Act
DOT -	U.S. Department of Transportation
IARC -	International Agency for Research on Cancer
N/A -	Not Available
NTP -	National Toxicology Program
OSHA -	Occupational Safety and Health Administration
PEL -	Permissible Exposure Limit
ppm -	Parts per million
RCRA -	Resource Conservation and Recovery Act
SARA -	Superfund Amendments and Reauthorization Act
TLV -	Threshold Limit Value
TSCA -	Toxic Substances Control Act
IDLH -	Immediately dangerous to life and health

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