

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: PacRite[®] Sodium Hydroxide 30%
Product Code: 10190
Product Use: pH Adjuster
Supplier: Pace International, LLC
Address: 5661 Branch Road, Wapato, WA 98951
Phone Number: 800-936-6750 (Monday-Friday, 7:00 a.m. – 4:00 p.m.)
Medical Emergency Phone Number: 888-271-4649 (PROSAR)
Transportation Emergency Phone Number: 800-424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

Classification:
Physical, CORROSIVE, Category 1
Acute Oral, Category 4
Acute Dermal, Category 4
Skin irritation, Category 1
Eye irritation, Category 1
Specific Target Organ Toxicity – single exposure, Category 2
Aspiration, Category 2
Acute Aquatic, Category 3

Hazard Symbols:



Hazard Statements:

DANGER
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H371 May cause damage to organs if ingested to gastrointestinal tract, liver, kidneys, mucous membranes, respiratory system, cardiovascular system.
H305 May be harmful if swallowed and enters airways.
H402 Harmful to aquatic life.

Precautionary Statements:

Prevention Statements:

P234 Keep only in original container.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear impervious clothing, chemical resistant gloves, safety glasses or face shield, rubber boots.
P260 Do not breathe fume, mist, vapours, or spray.
P273 Avoid release to the environment.

Response Statements:

P390 Absorb spillage to prevent material damage.
P301/312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330 Rinse mouth.
P302/352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatments see Section 4 First Aid Measures.
P362/364 Take off contaminated clothing and wash it before reuse.
P301/330/331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.
P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before reuse.
P304/340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor for medical advice.
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/311 IF exposed or concerned: Call a POISON CENTER/doctor for medical advice.

Storage Statements:

P406 Store in corrosive resistant container with a resistant inner liner.
P405 Store locked up.

Disposal Statements:

P501 Dispose of contents/container should be made in accordance with applicable regional, national and local laws and regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>Concentration (w/w %)</u>
Sodium Hydroxide	1310-73-2	30 %
Proprietary ingredients		Balance



4. FIRST AID MEASURES

General	Have the product container, label or Safety Data Sheet with you when calling a poison control center or physician, or going for treatment.
Advice:	
If on Skin:	Take off contaminated clothing. Wash skin with plenty of soap and water. If redness, burning, or irritation persists, get medical advice/attention. Wash contaminated clothing before reuse.
If in Eyes:	Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical advice/attention.
If Swallowed:	Call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If Inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Not flammable. Use water, foam, CO ₂ or dry chemical. Water spray may be used to keep fire exposed containers cool.
Special Exposure Hazards:	This product is a non-combustible, highly alkaline, aqueous solution. The Uniform Fire Code health hazard classification for this product is Corrosive (Alkaline). Diluted solutions of this product may be corrosive and may generate flammable/explosive hydrogen gas on contact with some metals (i.e. Aluminum). It may produce hazardous mists or hazardous decomposition products.
Special Protective Equipment / Procedures for Firefighters:	Wear self-contained breathing equipment and full protective equipment including eye protection and boots.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear impervious clothing, chemical resistant gloves, safety glasses or face shield, rubber boots.
Environmental Precautions:	In case of spill isolate area and deny entry to unnecessary personnel. Do not allow product to enter sewers, lakes, streams or other bodies of water.
Containment / Clean-Up Methods:	Stop spill at the source. Construct temporary dikes of dirt, sand, or other appropriate material to prevent spreading of the material. Neutralize with alkaline material then absorb with an inert material such as sand or vermiculite and place in an appropriate container for disposal.

7. HANDLING & STORAGE

Handling:	Avoid contact with skin and eyes. Good standards of hygiene should be maintained at all times. Smoking, eating, and drinking are prohibited in the work area. For personal protection wear impervious clothing, chemical resistant gloves, safety glasses or face shield, rubber boots.
Storage:	Store in a cool, dry area at room temperature, and away from direct sunlight. Store in corrosive resistant container with a resistant inner liner. Keep container tightly closed when not in use. Keep out of reach of children and livestock. Store in locked location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:	Sodium Hydroxide CAS# 1310-73-2 2 mg/m ³ CEIL(ACGIH, NIOSH) 2mg/m ³ PEL (OSHA)
Engineering Controls:	Local exhaust ventilation maybe necessary to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Provide mechanical ventilation for confined spaces.



Personal Protective Equipment :



Clothing: Wear impervious clothing and chemical resistant gloves and rubber boots when handling.

Eye Protection: Wear safety glasses or face shield. Eye fountain and washing facilities should be present at work area.

Respiratory Protection: Not normally required. A NIOSH-approved respirator with organic vapor filter may be used in misty environments without proper ventilation.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Liquid		
Appearance:	Clear liquid	Upper/Lower flammability limits:	Not available
Odor:	Odorless	Vapor pressure:	14 mmHg
Odor threshold:	Not available	Vapor density: (air =1)	Not available
pH:	13.0 – 14.0	Specific Gravity: (H₂O = 1)	1.33
Melting/Freezing point:	Not available	Solubility:	Miscible in water
Boiling point:	239°F (115°C)	Partition coefficient (n-octanol-water):	Not available
Flash point:	Not flammable	Auto-ignition temperature:	Not available
Evaporation rate:	Not available	Decomposition temperature:	Not available
Flammability (solid, gas):	Not applicable	Viscosity:	Not available

10. STABILITY & REACTIVITY

Reactivity hazards:	None known
Chemical stability:	Stable at ambient conditions
Conditions to avoid:	Not available.
Incompatible materials:	Acids, organic materials, chlorinated solvents, aluminum, phosphorus, zinc, tin
Hazardous decomposition products:	Sodium oxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Acute Oral: LD ₅₀ (estimate): ≥ 500 mg/kg	Based on Ingredients
	Acute Dermal: LD ₅₀ (estimate): > 1350 mg/kg	Based on Ingredients
	Inhalation: LC ₅₀ (estimate): > 20 mg/L	Based on Ingredients
Skin corrosion/irritation:	Causes severe skin burns. Prolonged exposure may cause destruction of the dermis with impairment of the skin to regenerate.	
Eye damage/irritation:	Causes serious eye damage. Could cause corneal damage, with impairment of vision	
Respiratory/Skin sensitization:	Strong irritating to mucous membranes. Repeated inhalation exposure may cause impairment of lung function and can cause permanent lung damage.	
Germ cell mutagenicity:	Not available	
Carcinogenicity:	No carcinogenic effects are expected due to product being comprised of FDA-approved food-grade ingredients.	
Reproductive toxicity:	Occasional workplace exposure is not expected to present a hazard.	
Target organ effects:	May cause damage to organs if ingested to gastrointestinal tract, liver, kidneys, mucous membranes, respiratory system, cardiovascular system.	
Aspiration hazard:	May be harmful if swallowed and enters airways. Severely irritating or corrosive to nose, mouth, throat, mucous membranes and lungs.	
Potential health effects:	CORROSIVE: May cause severe skin burns and eye damage.	



12. ECOLOGICAL INFORMATION

Toxicity:	LC ₅₀ (96-hr) fish: > 100 mg/L (estimate)	Based on Ingredients
Persistence/ degradability:	Not available	
Bioaccumulative potential:	Not available	
Mobility in soil:	Not available	
Other adverse effects:	Harmful to aquatic life.	

13. DISPOSAL CONSIDERATIONS

Disposal methods:	Recover or recycle if possible. Do not discharge into sewers, lakes, streams, or other bodies of water. Disposal should be made in accordance with applicable regional, national and local laws and regulations. Consult appropriate regulatory officials for information on disposal, keeping in mind that local regulations may be more stringent than regional or national requirements.
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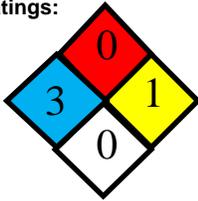
14. TRANSPORT INFORMATION

	<u>DOT</u>	<u>IMDG</u>	<u>IATA</u>
UN number:	UN 1824	Not applicable	Not applicable
Proper shipping name:	Sodium Hydroxide Solution	Not regulated	Not regulated
Hazard class(es):	8	Not applicable	Not applicable
Packing group:	II	Not applicable	Not applicable
Marine Pollutant:	Not applicable		
Special precautions:	None		

15. REGULATORY INFORMATION

SARA 313:	Contains no chemicals subject to SARA Title III Section 313 in quantities sufficient to trigger reporting requirements.
TSCA:	All components of this product are included or exempt from inclusion in EPA's Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
WHMIS:	This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

16. OTHER INFORMATION

HMIS Ratings:	Health – 3	Flammability – 0	Reactivity – 1
NFPA Ratings:			

The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, Pace International, LLC and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, neither Pace International, LLC nor any of its subsidiaries or affiliates represents or guarantees that this information or product may be used without infringing the intellectual property rights of others. It is the users' own responsibility to determine the suitability of this information for their own particular use of this product. If necessary, contact Pace International, LLC to confirm that you have the most current product label and SDS.



This Safety Data Sheet (SDS) may provide more information than the product label but does not replace or modify the product labeling (attached to and accompanying the product container). The product SDS and the product label both provide consistent and important health, safety, and environmental information as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom"). This requirement covers employers, employees, emergency responders, users and others handling the product. All necessary hazard classification and appropriate precautionary, use, storage, and disposal information is set forth on the labeling and the SDS.

SDS preparation date: May 26, 2015
Changes since last revision: New format to SDS

Replaces MSDS dated: December 12, 2012

