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PacFoam Plus

POSTHARVEST

SAFETY DATA SHEET

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1. PRODUCT & COMPANY IDENTIFICATION

Product Name: PacFoam Plus
Product Code: 10161
Product Use: All Purpose Alkaline Fruit Cleaner
Product Restrictions: For Agricultural Use Only
Manufacturer/Importer/Supplier/Distributor information
Manufacturer: 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 (PROPHARMA)
Transportation Emergency Phone Number: 800-424-9300 (CHEMTREC)
Supplier: See above

2. HAZARDS IDENTIFICATION

GHS Classification in accordance with 29 CFR 1910 (2012 OSHA Hazard Communication Standard)
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification:
Physical Hazards:
Corrosive to metals, Category 1
Health Hazards:
Skin corrosion / irritation
Category 1
Eye damage / irritation, Category 1
Environmental Hazards,
Not classified

Hazard Symbols:

Signal Word:
DANGER

Hazard Statements:
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

Precautionary Statements:
Prevention Statements:
P234 Keep only in original container.
P260 Do not breathe mist, vapors, or spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective clothing, chemical resistant gloves, and safety glasses.
Response Statements:
P390 Absorb spillage to prevent material damage.
P301/330/331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302/361/354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse skin with water/shower.
P363 Wash contaminated clothing before reuse.
P304/340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P316 Get emergency medical help Immediately.
P321 Specific treatments see Section 4 First Aid Measures on SDS.
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P317 Get medical help.
Storage Statements:
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.
Disposal Statements:
P501 Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.

Hazard(s) not otherwise classified (HNOC): None known.
Supplemental information: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	CAS #	%
Alkylarylsulfonic acid	68584-22-5	1 – 5*
Naphthalenesulfonic Acid, Me Tert-nonyl Derivs., Sodium Salts	1078712-56-7	1 – 5*
Sodium metasilicate	6834-92-0	1 – 5*
Sodium hydroxide	1310-73-2	0.1 - 1*

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
Composition comments: * US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

4. FIRST AID MEASURES

General Advice:	Have the product container, label or Safety Data Sheet with you when calling a poison control center, physician, or going for treatment. You may also contact PROPHARMA 1-888-271-4649 for emergency medical treatment information.
Inhalation:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor for medical advice.
Skin contact	IF ON SKIN: Take off immediately all contaminated clothing. Wash skin with plenty of soap and water/shower. Immediately call a POISON CENTER or doctor for medical advice. Wash contaminated clothing before reuse.
Eye contact	IF IN EYES: Hold eye open and rinse cautiously with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes if easy to do, then continue rinsing eye. Immediately call a POISON CENTER or doctor for medical advice.
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Immediately call a POISON CENTER or doctor for medical advice.
Most important Symptoms / effects, acute and Delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Indication of any immediate medical attention and special treatment needed:	If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable Extinguishing Media:	Do not use water jet as an extinguisher, as this will spread the fire.
Special Hazards Arising from the Chemical:	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Firefighting equipment/instructions:	Move containers from fire area if you can do so without risk.
Specific methods:	Use standard firefighting procedures and consider the hazards of other involved materials.
Hazardous combustion products:	May include and are not limited to: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency procedures:	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, (see section 8 of the SDS).
Methods and Materials for Containment and Clean-Up:	Use water spray to reduce vapor or divert vapor cloud drift. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental Precautions:	Avoid discharge into drains, water courses Environmental precautions or onto the ground.

7. HANDLING & STORAGE

Precautions for Safe Handling:	Do not get in eyes, on skin or on clothing. Do not breathe mist or vapor. Avoid

	prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment (see Section 8). Observe good industrial hygiene practices. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.
Conditions for Safe Storage, including any Incompatibilities:	Store locked up. Store in corrosive resistant container with a resistant inner liner. Store in a cool, dry, well-ventilated area away from direct sunlight. Keep container tightly closed and upright when not in use. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Sodium hydroxide (CAS# 1310-73-2)	PEL	2 mg/m3

US. ACGIH Threshold Limit Values

Components	Type	Value
Sodium hydroxide (CAS# 1310-73-2)	Ceiling	2 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Sodium hydroxide (CAS# 1310-73-2)	Ceiling	2 mg/m3

Biological Limit Values: No biological exposure limits noted for the ingredients.

Appropriate engineering controls:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection:	Wear safety glasses with side shields (or goggles). Eye wash station and washing facilities should be available.
Skin protection	
Hand protection:	Impervious gloves. Confirm with reputable supplier first.
Other:	Wear protective clothing (long sleeved shirt, pants, and shoes).
Respiratory protection:	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134)
Thermal hazards:	Not applicable.
General hygiene considerations:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Liquid	**Upper/Lower flammability or exposure limits:**	Not available
Appearance / Color:	Clear, yellow	**Vapor pressure:**	Not available
Odor:	Sharp, acidic	**Vapor density: (air =1)**	Not available
Odor threshold:	Not available	**Specific Gravity: (H_2O = 1)**	1.06
pH:	13	**Solubility:**	Miscible with water
Melting/Freezing point:	Not available	**Partition coefficient (n-octanol-water):**	Not available
Initial boiling point and boiling range:	Not available	**Auto-ignition temperature:**	Not available
Flash point:	Not flammable	**Decomposition temperature:**	Not available
Evaporation rate:	Not available	**Viscosity:**	Not available
Flammability (solid, gas):	Not applicable	**Explosive Properties:**	Not explosive
		Oxidizing Properties:	Not oxidizing

10. STABILITY & REACTIVITY

Reactivity hazards:	May be corrosive to metals.
Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use.
Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not mix with other chemicals.
Incompatible materials:	Strong oxidizing agents. Metals.
Hazardous decomposition	May include and are not limited to: Oxides of carbon.

products:

11. TOXICOLOGICAL INFORMATION

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Information on likely routes of exposure	
Ingestion	Causes digestive tract burns.
Inhalation	May cause respiratory tract irritation or chemical burns.
Skin contact	Causes sever skin burns.
Eye contact	Causes serious eye damage.
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Information on toxicological effects	
Acute toxicity	

Components	**Species**	**Test Results**
Alkylarylsulfonic acid (CAS# 68584-22-5)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg, 24 hrs, ECHA
Inhalation		
LC50	Rat	> 1.9 mg/L, 4 hrs, ECHA
Oral		
LD50	Rat	> 5000 mg/kg, ECHA
Sodium hydroxide (CAS# 1310-73-2)		
Acute		
Dermal		
LD50	Not available	
Inhalation		
LC50	Not available	
Oral		
LD50	Rabbit	325 mg/kg, ECHA
Sodium metasilicate (CAS# 6834-92-0)		
Acute		
Dermal		
LD50	Rat	> 5000 mg/kg, 24 hrs, ECHA
Inhalation		
LC50	Rat	> 2.1 mg/L, 4 hrs, ECHA
Oral		
LD50	Mouse	661.5 – 896.3 mg/kg, ECHA

Skin corrosion/irritation:	Causes severe skin burns.
Exposure minutes	Not available
Erythema value	Not available
Oedema value	Not available
Serious eye damage/eye irritation:	Causes serious eye damage.
Corneal opacity value	Not available
Iris lesion value	Not available
Conjunctival reddening value	Not available
Conjunctival oedema value	Not available
Recover days	Not available
Respiratory sensitization:	Not a respiratory sensitizer.
Skin sensitization:	This product is not expected to cause skin sensitization.
Germ cell mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic
Carcinogenicity:	Not classifiable as carcinogenicity to humans.
US. California Proposition 65 – CRT: Listed date / Carcinogenic substance:	Naphthalene (CAS# 91-20-3) Sulphuric acid (CAS# 7664-93-9)
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)	Not listed.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Teratogenicity:	Not available
Specific target organ toxicity - single exposure:	Not classified.
Specific target organ toxicity - repeated exposure:	Not classified.
Aspiration hazard:	Material does not present an aspiration hazard.
Chronic effects:	Prolonged inhalation may be harmful.

12. ECOLOGICAL INFORMATION

Ecotoxicity		See below	
Ecotoxicological data		**Species**	**Test Results**
Components			
Alkylarylsulfonic acid (CAS# 68584-22-5)			
Crustacea	EC50	Daphnia	2.9 mg/L, 48 hour
Sodium hydroxide (CAS# 1310-73-2)			
Aquatic			
Crustacea	LC50	Water flea (Ceriodaphnia dubia)	34.59 – 47.13 mg/L, 48 2hr
Fish	LC50	Western Mosquitofish (Gambusia affinis)	125 mg/L, 96 hr
Sodium metasilicate (CAS# 6834-92-0)			
Aquatic			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	0.28 – 0.57 mg/L, 48 hr
Fish	LC50	Western Mosquitofish (Gambusia affinis)	1800 mg/L, 96 hr

Persistence/ degradability: No data is available on the degradability of this product.
Bioaccumulative potential: Not available
Mobility in soil: Not available
Mobility in general: Not available.
Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Disposal instructions: Disposal should be made in accordance with applicable regional, national and local laws and regulations.

Hazardous waste code This material, in its original form and strength, would designate as a D002 federal hazardous waste for corrosivity when disposed.

Waste from residues / unused products Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Transport of Dangerous Goods (TDG) Proof of Classification Classification method: Classified according to Part 2, sections 2.1-2.8 of the Regulations for the transport of dangerous goods. If applicable, the technical name and product classification will appear below.

DOT

UN number: UN1760
Proper shipping name: Corrosive liquids, n.o.s.
Technical name: Sodium metasilicate
Hazard class(es): 8
Packing group: II
Marine Pollutant: Yes

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium hydroxide (CAS# 1310-73-2) Listed

SARA 304 Emergency Release Notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance		No
SARA 311/312 hazardous chemical		Yes
	Classified hazard categories	Corrosive to metal Skin corrosion / irritation Serious eye damage or eye irritation
SARA 313 (TRI reporting)		Not regulated.

OTHER FEDERAL REGULATIONS

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

US STATE REGULATIONS

US - California Hazardous Substances (Director's): Listed substance

Sodium hydroxide (CAS# 1310-73-2)	Listed

US - Illinois Chemical Safety Act: Listed substance

Sodium hydroxide (CAS# 1310-73-2)

US - Louisiana Spill Reporting: Listed substance

Sodium hydroxide (CAS# 1310-73-2)	Listed

US - Minnesota Haz Subs: Listed substance

Sodium hydroxide (CAS# 1310-73-2)	Listed

US - Texas Effects Screening Levels: Listed substance

Alkylarylsulfonic acid (CAS# 68584-22-5)	Listed
Sodium hydroxide (CAS# 1310-73-2)	Listed
Sodium metasilicate (CAS# 6834-92-0)	Listed

US. Massachusetts RTK - Substance List

Sodium hydroxide (CAS# 1310-73-2)

US. New Jersey Worker and Community Right-to-Know Act

Sodium hydroxide (CAS# 1310-73-2)

US. Pennsylvania Worker and Community Right-to-Know Law

Sodium hydroxide (CAS# 1310-73-2)

US. Rhode Island RTK

Sodium hydroxide (CAS# 1310-73-2)

US. California Proposition 65

WARNING: This product can expose you to chemicals including Naphthalene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

US. California Proposition 65 - CRT: Listed date/Carcinogenic substance

Naphthalene (CAS# 91-20-3)	Listed: April 19, 2002
Sulfuric Acid (CAS# 7664-93-9)	Listed: March 14, 2003

Inventory status

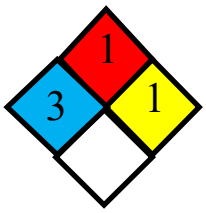
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. OTHER INFORMATION

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	**3**
FLAMMABILITY	**1**
PHYSICAL HAZARD	**1**
PERSONAL PROTECTION	**X**



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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 are set forth on the labeling and the SDS.

SDS preparation date: September 26, 2025 **Replaces SDS dated:** December 11, 2023

Changes since last revision: Rebranding **Version:** 3