

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: Sooty Mold Cleaner
Product Code: 10191
Product Use: High-powered Detergent for Fruit
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 1B
Eye damage / irritation, Category 1
Sensitization – Skin, 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.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Hazard(s) not otherwise classified (HNOC):

Supplemental information:

Precautionary Statements:

Prevention Statements:

P234 Keep only in original container.
P260 Do not breathe mist, vapors, or spray.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
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.
P333/317 If skin irritation or rash occurs: Get medical help.
P321 Specific treatment see Section 4 of SDS, First Aid.
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.

None known.

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	CAS #	%
Poly(oxy-1,2-ethanediyl), 51811-79-1	51811-79-1	3 - 7*
1 alpha-(nonylphenyl)- omega-hydroxy-, phosphate		
Alkylarylsulfonic acid	68584-22-5	1 - 5*
Naphthalenesulfonic Acid, Me	1078712-56-7	1 - 5*
Tert-nonyl Derivs., Sodium Salts		
Orange, sweet, extract	8028-48-6	1 - 5*
Sodium metasilicate	6834-92-0	1 - 5*

Sodium hydroxide 1310-73-2 0.5 – 1.5*
 All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
Composition * US GHS: The exact percentage (concentration) of composition has been withheld as a trade
comments: 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. If skin irritation or rash occurs: Get medical attention. 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: Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Symptoms may be delayed. Treat patient symptomatically.

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

Environmental Precautions: section 13 of the SDS.
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:

Other:

Respiratory protection:

Impervious gloves. Confirm with reputable supplier first.

Wear protective clothing (long sleeved shirt, pants, and shoes).

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, amber no particles	Vapor pressure:	Not available
Odor:	Detergent odor	Vapor density: (air =1)	Not available
Odor threshold:	Not available	Specific Gravity: (H₂O = 1)	1.09
pH:	12 - 14	Solubility:	Soluble in 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:	Reacts violently with strong acids. This product may react with oxidizing agents.
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 acids. Oxidizing agents. Metals.
Hazardous decomposition products:	May include and are not limited to: Oxides of carbon.

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 severe 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		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg, 24 hrs, ECHA
<i>Inhalation</i>		
LC50	Rat	> 1.9 mg/L, 4 hrs, ECHA
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, ECHA
Orange, sweet, extract (CAS# 8028-48-6)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg, 24 hrs, ECHA
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rabbit	> 5000 mg/kg, ECHA
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)- omega -hydroxy-, phosphate (CAS# 51811-79-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rabbit	> 5000 mg/kg
Sodium hydroxide (CAS# 1310-73-2)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rabbit	325 mg/kg, ECHA
Sodium metasilicate (CAS# 6834-92-0)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 5000 mg/kg, 24 hrs, ECHA
<i>Inhalation</i>		
LC50	Rat	> 2.1 mg/L, 4 hrs, ECHA
<i>Oral</i>		
LD50	Rat	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:	May cause an allergic skin reaction.
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:	
	1,4-Dioxane (CAS 123-91-1)
	Acetaldehyde (CAS 75-07-0)
	Ethylene oxide (CAS 75-21-8)
	Sulfuric 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 hr
Sodium hydroxide (CAS# 1310-73-2)			
Aquatic			
Crustacea EC50	Water flea (Ceriodaphnia dubia)		34.59 – 47.13 mg/L, 48 hr
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.
UN number:	DOT UN1760

Proper shipping name:	Corrosive liquids, n.o.s.
Technical name:	Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)- omega -hydroxy-, phosphate
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

Corrosive to metal

hazard

Skin corrosion / irritation

categories

Serious eye damage or eye irritation

Respiratory or skin sensitization

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

Orange, sweet, extract (CAS 8028-48-6)

Listed

Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)- omega -

Listed

hydroxy-, phosphate (CAS# 51811-79-1)

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 Ethylene oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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

1,4-Dioxane (CAS# 123-91-1)

Listed: January 1, 1988

Acetaldehyde (CAS# 75-07-0)

Listed: April 1, 1988

Ethylene oxide (CAS# 75-21-8)

Listed: July 1, 1987

Sulfuric acid (CAS# 7664-93-9)

Listed: March 14, 2003

California Proposition 65 - CRT: Listed date/Developmental toxin

Ethylene glycol (CAS# 107-21-1)

Listed: July 1, 1987

Ethylene oxide (CAS# 75-21-8)

Listed: July 1, 1987

California Proposition 65 - CRT: Listed date/Developmental toxin

Ethylene oxide (CAS# 75-21-8)

Listed: July 1, 1987

California Proposition 65 - CRT: Listed date/Male reproductive toxin

Ethylene oxide (CAS# 75-21-8)

Listed: July 1, 1987

Inventory status

Country(s) or region

Canada

Inventory name

Domestic Substances List (DSL)

On inventory (yes/no) *

No

Canada

Non-Domestic Substances List (NDSL)

Yes

United States & Puerto Rico

Toxic Substances Control Act (TSCA)

Yes

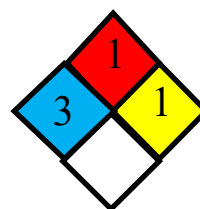
Inventory

*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



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 are set forth on the labeling and the SDS.

SDS preparation date: September 26, 2025

Replaces SDS dated: December 12, 2023

Changes since last Rebranding

Version: 3

revision: