

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: PacRite[®] 2-Quat Plus **EPA REG# 1839-81-64864**
Product Code: 10137
Product Use: Disinfectant-Cleaner-Detergent-Virucide-Mildewstat (on hard inanimate surfaces)-Deodorizer
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
Skin irritation, Category 1
Eye irritation, Category 1
Aquatic Acute, Category 1
Aquatic Long Term, Category 2

Hazard Symbols:



Hazard Statements:
DANGER
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

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.
P260 Do not breathe mists, vapours or spray.
P280 Wear impermeable clothing, safety goggles or face shield and chemical resistant gloves.
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.
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.
P321 Specific treatments see Section 4 First Aid Measures.
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor for medical advice.
P391 Collect spillage.

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>
Alcohol Ethoxylate	Proprietary	9 %
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride (Alternate CAS 68956-9-6)	85409-23-0	4.5 %
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	4.5 %
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. Chemical burns must be treated by a physician. 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:	Water fog, foam, dry chemical powder, or carbon dioxide (CO ₂). Do not use water jet as an extinguisher, as this will spread the fire.
Special Exposure Hazards:	During fire, gases hazardous to health may be formed.
Special Protective Equipment / Procedures for Firefighters:	Wear self-contained breathing equipment and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear impermeable clothing, safety goggles or face shield, and chemical resistant gloves.
Environmental Precautions:	In case of spill isolate area and deny entry to unnecessary personnel and keep upwind of spill/leak. 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. Absorb with an inert material such as sand or vermiculite and place in an appropriate container for disposal.

7. HANDLING & STORAGE

Handling:	Do not breathe mist or vapor. 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 impermeable clothing, safety goggles or face shield and chemical resistant gloves.
Storage:	Store in a cool, dry area no lower in temperature than 50°F or higher than 120°F. 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:	No exposure limits noted for ingredients. No biological exposure limits noted for ingredients.
Engineering Controls:	Good general ventilation (typically 10 air changes per hour) should be used. 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. Eye wash facilities and emergency shower must be available when handling this product.



**Personal Protective
Equipment :**



Clothing: Wear impermeable clothing and chemical resistant gloves when handling.

Eye Protection: Chemical goggles or face shield recommended. Eye fountain and washing facilities should be present at work area.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. 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:	Colorless	Upper/Lower flammability limits:	Upper 0.105882 Lower not available
Odor:	Not available	Vapor pressure:	Not available
Odor threshold:	Not available	Vapor density: (air =1)	Estimated heavier than air.
pH:	12	Specific Gravity: (H₂O = 1)	1.05
Melting/Freezing point:	Not available	Solubility:	miscible with water
Boiling point:	212°F (100°C)	Partition coefficient (n-octanol-water):	Not available
Flash point:	>201°F(>93.9°C)	Auto-ignition temperature:	Not available
Evaporation rate:	Estimated slower than ethyl ether.	Decomposition temperature:	Not available
Flammability (solid, gas):	Not available	Viscosity:	Not available

10. STABILITY & REACTIVITY

Reactivity hazards:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Avoid temperatures exceeding the flash point. Reacts violently with strong acids. This product may react with oxidizing agents. Do not mix with other chemicals. Contact with incompatible materials.
Incompatible materials:	Acids. Oxidizing agents.
Hazardous decomposition products:	None known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Acute Oral:	LD ₅₀ (estimate): > 5000 mg/kg	Based on Ingredients
	Acute Dermal:	LD ₅₀ (estimate): > 5000 mg/kg	Based on Ingredients
	Inhalation:	LC ₅₀ (estimate): > 20 mg/L	Based on Ingredients
Skin corrosion/irritation:	Causes severe skin burns.		
Eye damage/irritation:	Causes serious eye damage.		
Respiratory/Skin sensitization:	May causes respiratory irritation, avoid breathing mist and vapours.		
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:	No known target organ effects.		
Aspiration hazard:	Material does not present an aspiration hazard.		
Potential health effects:	CORROSIVE: Causes severe skin burns and eye damage. Harmful if swallowed. Causes digestive tract burns.		



12. ECOLOGICAL INFORMATION

Toxicity:	LC ₅₀ (96-hr) fish: > 20 mg/L (estimate)	Based on Ingredients
Persistence/ degradability:	Not available	
Bioaccumulative potential:	Not available	
Mobility in soil:	Not available	
Other adverse effects:	Very toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.	

13. DISPOSAL CONSIDERATIONS

Disposal methods:	Recover if possible for disposal, pesticide is acutely hazardous. 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.
--------------------------	---

14. TRANSPORT INFORMATION

	<u>DOT</u>	<u>IMDG</u>	<u>IATA</u>
UN number:	UN 1760	UN 1760	UN 1760
Proper shipping name:	Corrosive liquid, n.o.s. (Quaternary Ammonium Chloride)	Corrosive liquid, n.o.s. (Quaternary Ammonium Chloride)	Corrosive liquid, n.o.s. (Quaternary Ammonium Chloride)
Hazard class(es):	8	8	8
Packing group:	III	III	III
Marine Pollutant:	Yes		
Special precautions:	None		

15. REGULATORY INFORMATION

US Federal Regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
	This product is a U.S. EPA registered pesticide.

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed.

US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories	Immediate Hazard – Yes
	Delayed Hazard – No
	Fire Hazard – No
	Pressure Hazard – No
	Reactivity Hazard – No

SARA 302 Extremely hazardous substance - No

SARA 311/312 Hazardous Chemical - Yes

SARA 313	1,4-Dioxane	CAS# 123-91-1	< 0.1 % by wt.
	Acetaldehyde	CAS# 75-07-0	< 0.1 % by wt.

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.

Safe Drinking Water Act (SDWA): Not regulated.

US Massachusetts RTK-Substance List Not regulated.

US Rhode Island RTK Not regulated

CA Prop. 65 This product may contain trace amounts of 1,4-Dioxane (CAS# 123-91-1) and Acetaldehyde (CAS# 75-07-0) a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

International Inventories:

Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substance in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No



Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

16. OTHER INFORMATION

HMIS Ratings:

Health – 3

Flammability – 1

Reactivity – 0

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

Replaces MSDS dated: December 10, 2013

Changes since last New format to SDS

revision:

