

Piranha

Salt Cell Cleaner

Specifications

Dissolves Calcium, water scale, lime, rust, and mud safely, quickly and effectively!

Phone: 281- 687- 4995 www.piranhawaterproducts.com

Piranha Salt Cell Cleaner dissolves calcium, water scale, lime, mud and rust deposits safely, quickly and effectively!

1. **Piranha Salt Cell Cleaner** is a non-hazardous, non-corrosive, non-flammable, non-injurious, non-toxic, yet fully *biodegradable* descaler, heavily fortified with wetting and penetrating agents which actually dissolves calcium, water scale, lime, mud, rust and other water formed deposits from water operated equipment.

2. **Piranha Salt Cell Cleaner** is non-corrosive, but the application of **Piranha Salt Cell Cleaner** may expose pre-existing under deposit corrosion (pitting, holes or similar damage) that can result in leaks in pipes, equipment or systems.

3. **Piranha Salt Cell Cleaner** should be used as directed and at any temperature within the operating limits of between 0°F / -18°C and 180°F / 82°C. If the solution does freeze, slush or thicken at the lower operating temperatures, and then thaws, there will be no performance reducing results. Please consult the manufacturer when temperatures above 180°F / 82°C are encountered.

4. The solution does not deteriorate, oxidize, saponify, thicken or lose effectiveness for at least five years.

5. Although almost any chemical reaction will react faster under elevated temperatures, **Piranha Salt Cell Cleaner** should be applied at ambient temperatures (65°F / 18°C to 95°F / 35°C) with full effectiveness and results obtainable.

6. The solution is exothermic, but does not develop a substantial increase in temperature while dissolving water scale, lime, mud, rust or other water formed deposits. However, when **Piranha Salt Cell Cleaner** comes in contact with strong caustics, a significant exothermic reaction could result with temperatures potentially exceeding 140°F / 60°C.

7. **Piranha Salt Cell Cleaner** has the ability to dissolve approximately two pounds (1 Kilo) of calcium carbonate scale per U.S. gallon while at 70°F / 21°C, and in concentrated form. If the **Piranha Salt Cell Cleaner** is diluted, it will still dissolve two pounds per gallon, but will require additional circulating time.

8. The concentrated solution can be held, safely, in the open hand without deleterious affects. However, if irritation occurs, a simple soap and water rinse is all that is required. If irritation persists, please consult a physician.

9. The solution is of a pleasant or characteristic odor, very similar to roasted almonds, and does not exude any obnoxious or toxic vapors.

10. An exception to number 9 is that hazardous vapors may occur when encountering high concentrations of sulfur, chlorine, or liquid TNT. Please contact the manufacturer before proceeding under these circumstances or review the MSDS of the chemical that **Piranha Salt Cell Cleaner** may come in contact with for incompatibilities.

11. **Piranha Salt Cell Cleaner** does not corrode, erode, attack, oxidize or have other deleterious affects on virtually any metal or materials commonly found in water systems such as:

COPPER	FIBER	LEATHER	IRON
RUBBER	STEEL	TITANIUM	GLASS

or other materials found in heat exchangers, vacuum pumps, evaporators, condensers, and/or other water cooled, water heated or water operated equipment when used as directed.

12. An exception to number 11 is that when using 100% concentrated (non-diluted) **Piranha Salt Cell Cleaner** on magnesium, zinc, and/or aluminum, it could oxidize or pit. Furthermore, polished chrome and some alloys of stainless steel could become discolored. It is not recommended for use with concentrated solutions. The rule of thumb is that if the alloy is designed for use in a water system (aluminum engine block, aluminum mold, etc.), the alloy should be compatible with the **Piranha Salt Cell Cleaner** solution. Otherwise, it is recommended that the **Piranha Salt Cell Cleaner** be diluted 50% or more with water when cleaning.
13. It is recommended, but not mandatory, that the **Piranha Salt Cell Cleaner** solution be thoroughly mixed before using. Some settling of a dark precipitate may occur with the majority of the liquid becoming a clear amber color. The use of the phased or non-agitated liquid will have no negative affects upon the performance of the solution.
14. The solution does not require neutralizers and it is free rinsing with water.
15. **Piranha Salt Cell Cleaner** is an electrolyte, as are most cleaning agents. An electrolyte is any liquid that will transfer small electrical currents. Examples: salt water, vinegar, Coca-Cola. An electrolyte may cause plating in some types of equipment. This means a transfer of small amounts of one metal onto another metal according to the galvanic corrosion chart. In some instances, a thin coating of copper may be plated onto a steel drum while circulating an electrolyte such as **Piranha Salt Cell Cleaner**. The only time plating occurs is when two dissimilar metals are in an electrolytic solution.
17. The solution has the properties to be mailed or shipped by any private or commercial carrier without restrictions. Air carriers for emergency deliveries may ship **Piranha Salt Cell Cleaner** via next day air.
18. The solution is packaged and shipped in 16 oz bottles, 22, single gallon containers, 4x1 gallon cases, 5-gallon jugs, 30 and 55-gallon drums, 275 and 330 gallon totes, and 550 gallon mega containers with lifting lugs.
20. Do NOT circulate or soak Salt Cell for more than a six-hour period without consulting the manufacturer. Most **Piranha Salt Cell Cleaner** cleaning applications can be accomplished within an average of one to two hours depending on amount of minerals present and amount of water used to dilute. Please use material only as directed.
21. **Piranha Salt Cell Cleaner** is designed to be used by itself or diluted with water and water only.
22. Agitating or circulating **Piranha Salt Cell Cleaner** with compressed air is not recommended. Please consult the manufacturer with any questions.
23. The solution is biodegradable with a BOD value of 16 mg/l. This normally allows the solution to be water flushed down plant sewers. Check with local ordinances and regulations in your area prior to disposal.
24. **Piranha Salt Cell Cleaner** is non-reportable under SARA Title 3: Sections 311/312/313 Categorization. **Piranha Salt Cell Cleaner** does NOT contain any toxic creosols or other hazardous substances not listed in our current MSDS. **Piranha Salt Cell Cleaner** does NOT contain any VOC's. **Piranha Salt Cell Cleaner** is not reportable under CERCLA.
25. The foregoing specifications are applicable to our product, **Piranha Salt Cell Cleaner**, when used according to instructions that are available upon request and in NO WAY are intended to cover other uses or applications by the purchaser.
- For additional details regarding the specifications of **Piranha Salt Cell Cleaner**, please contact the technical department at 281 687-4995.*



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Instructions:



Step 1 - Remove Salt Cell Chlorinator from System



Step 2 - Place Salt Cell Chlorinator in Plastic Bag



Step 3 - Add water until chlorinator is fully submerged. Do not exceed more than 1 gallon water per 32.oz Piranha Salt Cell Cleaner



Step 4 - Add 1 - 32 oz. bottle of Piranha Salt Cell Cleaner to water



Step 5 - Soak in solution for 15 - 30 minutes until clean



Step 6 - Remove from bag, flush contents to sewer, dispose of bag and re-install