



PICKLING LIQUID™

DESCRIPTION

PICKLING LIQUID is a concentrated liquid solution formulated with a blend of specific acids, surfactants and corrosion inhibitors. Its purpose is to attack, penetrate and remove weld slag, annealing scale, grinding dust from austenitic stainless steel constructions such as tanks, installations and components before the process of passivation.

ADVANTAGES AND CHARACTERISTICS

- ◆ Efficiently removes foreign substances from austenitic stainless steel surfaces and articles while preparing them for proper passivation.
 - ◆ Can only be used on austenitic stainless steel as it corrodes other metals.
 - ◆ Water soluble, acting quickly and thoroughly.
 - ◆ Non-flammable, non-conductive and non-toxic.
 - ◆ No heating is required upon application.
 - ◆ No known effect on rubber or plastic compounds.
 - ◆ May be combined with a specific range of other products.
 - ◆ Cost effective, easy to apply and use.
- ▶ **PICKLING LIQUID** is not harmful to the marine environment as per MARPOL MEPC 63 Annex V Amendment [MEPC. 71/17/Add.1 Annex 21, Resolution MEPC 295 (71)].

PHYSICAL PROPERTIES

PICKLING LIQUID is an aqueous concentrated liquid mixture consisting of specific high quality acids, surface-active agents and advanced corrosion inhibitors.

Appearance/Color	: Clear, colorless liquid
Specific gravity	: 1.18 - 1.23 gr/cm ³ at 20°C
Solubility	: Appreciable
pH value	: 0.90 - 1.30
Odor	: Characteristic

PACKAGING

Order Number	: 833025 (30 ltrs)
Container	: Plastic jerrican

APPLICATION AND USE

A. Dosing Procedure

PICKLING LIQUID must be used undiluted and in quantities proportional to the extent of contamination you are dealing with, the surface area to be covered, the number of articles being treated and the type/kind of stainless steel. Anyway, the user is the one responsible to determine the actual quantity needed for each situation at hand.

B. Cleaning Procedure

PICKLING LIQUID may be applied either by the circulation or the soaking/immersion method. However, before application, a pre-treatment process is necessary. Therefore, before commencing, clean and degrease the surfaces to be pickled with either **MARICHEM ELECTROCLEAN ECO QUICK** to remove felt pen ink marks, oils and light carbon deposits or with **MARICHEM ALCACTIVE LIQUID** to remove grease deposits that have accumulated on smaller metal surfaces and parts. Afterwards, use a high-pressure water supply to rinse well.

Circulation is a method mainly used for pipe systems. Here, the system is filled with **PICKLING LIQUID**, which it must be circulated for 2–6 hours depending on the degree of soiling and the type of the austenitic steel. Do not pickle longer than is necessary. Thereafter, drain the system and rinse thoroughly with water. Passivation must follow immediately. Note that before disposing of the liquid, it must be neutralized with slaked lime.

Soaking/Immersion is a method used for parts, components or other articles. The process is initiated by filling a plastic or plastic lined bath with **PICKLING LIQUID**. Then, place the articles to be pickled into the bath and leave them to soak for 1–6 hours depending on the degree of soiling and the kind of austenitic steel. Remove the articles from the bath and spray them with a powerful water jet. Passivation should follow immediately after spraying.

In any case, note that before disposing of the liquid effluent solution, it should be neutralized with slaked lime.

▶ IMPORTANT INFORMATION

PICKLING LIQUID is considered highly corrosive. Operators must consult the Safety and Handling instructions table before use.



! SAFETY AND HANDLING

HANDLING	Handle with care. Store in a dry, cool and well ventilated environment.
SAFETY	IMMEDIATE ACTIONS
Eye Contact	Avoid Eye contact. Otherwise, flush with plenty of water for a few minutes. Seek medical attention.
Skin Contact	Avoid Skin contact. Otherwise, wash contaminated area thoroughly with water. Seek medical attention.
Inhalation	Do not breathe gas/vapour. In case of insufficient ventilation, wear suitable respiratory equipment. Otherwise, seek fresh air source at once and ask for medical attention immediately.
If Swallowed	Avoid ingestion. Otherwise, consume a considerable quantity of water. Do not induce vomiting. Seek medical attention.
GENERAL INSTRUCTIONS	Avoid spillage, splashing and mishandling. Wear suitable protective clothing, gloves and eye/face protection before using the product.

 **Read the Material Safety Data Sheet before using this product.**

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or Product Label.

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