



## PASSIVATION FLUID

### PASSIVATING LIQUID FOR PICKLED CARBON STEEL SURFACES

#### MAINTENANCE



#### DESCRIPTION

**PASSIVATION FLUID** is a passivating fluid based on phosphoric acid and non-ionic surface-active substances.

#### APPLICATION

Once having used **PICKLING FLUID**, apply this product for passivating the already pickled installations and tanks. It can be applied by circulation, by spraying or in immersion baths. In order to use **PASSIVATION FLUID**, the steel must have already been pickled.

#### USE AND DOSING

**Important Information and Precautions:** Always make sure that there is sufficient ventilation to prevent the accumulation of gases and wear a breathing filter for acids. Do not perform hot work when acid is in circulation.

Product should always be used in plastic containers. Always add the product to water, never the reverse. Do not allow the acid solution to remain in equipment for a prolonged amount of time. After having completed, rinse thoroughly with water.

**Before Application:** Passivating treatment with **PASSIVATION FLUID** is only applicable if previous pickling using **PICKLING FLUID** has taken before.

**Circulation:** This method is applied in pipe systems. Fill the system with undiluted **PASSIVATION FLUID**. Use the product cold and allow a residence time of approximately two hours to act. Drain the system with air and do not rinse with water.

**Spraying:** This method is generally used with a tank washing device, which is suitable for using with acids. The product is sprayed undiluted. A spray time that varies between 2 and 6 hours is usually sufficient. After spraying, the passivation liquid is pumped and the tank is dried with air.

**Immersion in a Bath:** Fill a plastic or plastic-lined bath with undiluted **PASSIVATION FLUID**. Place the articles to be passivated in the bath and leave them to soak for approximately two hours. If the bath temperature is 70-80°C, the time should be only 15-30 minutes. Remove the articles from the bath and rinse with air.

#### PRODUCT PROPERTIES

Only use on carbon steel surfaces. It is highly recommended to always test all cleaner solutions on a small area of the object to be cleaned, before full scale application.

**General Instructions:** Avoid spillage, splashing and mishandling. Precautionary measures for body protection are strongly recommended before and during use.

Appearance:	Liquid	pH:	Acidic
Type:	Water based	Flash Point:	None

- ✓ Deactivates erosive conditions and protects against corrosion of carbon steel surfaces
- ✓ Used only after pickling has occurred
- ✓ Used undiluted on carbon steel
- ✓ Non-flammable
- ✓ Non-conductive
- ✓ Cost effective

#### PROBLEMS SOLVED

- ✓ Protection of steel surfaces from corrosion, via the formation of a protective oxide layer, after surfaces have been pickled

#### APPLICATION AREAS

- ✓ Pickled, carbon steel surfaces

PRODUCT CODE: MC 145

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

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