

METAL BRITE HD

DESCRIPTION

A-120 is a mild acidic liquid cleaner containing phosphoric acid, wetting and penetrating agents, which is miscible with water in all proportions. It contains a biodegradable surfactant and penetrating agent which easily penetrates oxide deposits and oily films on metal surfaces.

A-120 is used for the removal of rust and rust stains, discolourization from stainless steel and tarnish from copper, brass and other non-ferrous metals.

A-120 can also be used on rust, oil stains and copper stains from bulkheads, paint works and wooden decks etc. It should not be used for the cleaning of galvanized, zinc or tinned surfaces. **A-120** tends to have some light etching effect on aluminium, zinc or diecast alloys. However, light etching on the metal surface is actually an advantage as it improves the bonding of paint.

DIRECTIONS FOR USE

Always remove the loosest rust and scale prior to applying **A-120**. A preliminary cleaning is recommended if the surface to be treated is painted or coated with oil, grease or fat. Apply **A-120** by brushing or spraying and allow to soak for 15 - 20 minutes. The surface or items to be cleaned must be moist with the acid cleaner all the time.

For smaller articles, use the diluted **A-120** solution if a tank is available. Heating the solution naturally speeds up the process. Once rust is being dissolved, remove and rinse with a very dilute solution of **A-120**. For surfaces to be painted later, flushing is not necessary. The surface will have an increased adhesion to primer coat after drying.

On large structures, use a concentration of one part of **A-120** with four to six parts of cold water. Apply using brushing or swabbing on and leave it to react overnight. The dried rust deposit can easily be tapped or scrubbed off with a foundry brush on the next day. In stubborn cases, it may be necessary to repeat the treatment. Finally, rinse the surface down with clean water.



PHYSICAL DATA

APPEARANCE : Clear Liquid
BOILING POINT : 105°C
FREEZING POINT : 3°C
SPECIFIC GRAVITY: 1.15 – 1.20

OTHER USES

A-120 may be also used by injection or recirculation in the tank wash system to remove fresh rust from mild steel cargo tanks. It is also being used to passivate bare metal against atmospheric corrosion before painting and which provides increased adhesion of paint base coat.

SAFETY AND HANDLING INFORMATION

Protective Measures	Wear acid resistant gloves, safety goggles and footwear. Use in adequately ventilated areas. Avoid breathing in vapour. Wash hands with water after use.
Spillage & Disposal	Confine spill and stop leak at source if possible. Ventilate area and evacuate all non-essential personnel. Pump spillage into original containers (or equivalent containers) for disposal. Avoid contact with skin, eyes or clothing. Absorb remaining liquid with inert material such as dry sand or sawdust. Neutralize with alkaline materials if necessary.
<u>FIRST AID</u> Eyes	Hold eyes open, rinse eyes with copious amount of water for at least 15 minutes. Seek medical advice.
Skin	Flush with large amount of water, use soap if available. Remove contaminated clothing, including shoes and laundry before reuse. Seek medical attention if effect persists.
If Inhaled	Evacuate victim to open air. Administer artificial respiration if breathing has stopped. Keep at rest. Seek prompt medical attention.
If swallowed	Rinse mouth; then drink 1 or 2 large glasses of water. Do not induce vomiting. Seek prompt medical attention. Never give anything via mouth to an unconscious person.
<u>HANDLING</u> Storage & Transportation	Product should be stored and transported in original containers. Keep container lid tightly closed. Store in a cool and dry area, away from direct sunlight and alkaline materials.
Packaging	Packed in 25 and 200 litres non-returnable containers.

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