

Seep Free

Seep Free is post dip treatment designed for use following a Black Magic process to prevent seepage or bleeding out of absorbed salts or salt solution, particularly when processing powdered metal parts or other types of metal fabrications which may have crimped joints, blind holes, etc.

Seep Free is furnished as a paraffinic oil liquid which is used as received and heated to 230°F to 250°F. This product should be heated with either steam or indirect heat and should be equipped with an Automatic Temperature Controller. Do not use gas heat as this product has a flash point of 400°F.

Seep-Free solution tank should be fabricated from either plain low carbon steel plate or stainless steel.

Physical Data

Specific gravity	0.86
Flash point	400°F
Percentage of volatility by volume	~ 4.0
Vapor density (air=1)	~ 10
Evaporation rate (ether=1)	N/A
Solubility in water	Not soluble
Appearance and odor	Dark amber liquid, slight odor

Typical Applications

- Post dip treatment after Black Magic coatings
- Recommended for use prior to application in a water displacing Metal Guard rust preventative

Operating Conditions

After Black Magic coating process and a thorough rinse, parts should be immersed in the Seep Free solution for a period of 15 to 30 minutes - until there is no reaction at the metal



Cleaning
the Hard to Clean



Finishing
the Hard to Finish



Treating
the Hard to Treat

surface. The parts should then be removed and allowed to cool before being immersed in a Hubbard-Hall water displacing Metal Guard rust preventive.

Seep-Free solution will gradually build up with salt solution from the blackening bath. The salts will settle to the bottom of the tank and must be periodically removed. Fresh Seep Free solution should be periodically added to replace drag-out and maintain the solution level. When the Seep Free solution becomes too contaminated, it must be discarded and replaced.

Seep Free solution should not be disposed down the drain. Discard in accordance with local regulations for petroleum-based products.

Caution

DO NOT MIX SEEP-FREE WITH ANY OTHER CHEMICALS OR SOLUTIONS.

Contains paraffinic distillate. Keep away from excessive heat and open flame. Use only with adequate ventilation. Avoid contact with skin and eyes. For skin contact, wash with soap and water. If swallowed, give liquids and induce vomiting. Call a physician. Do not give liquids or induce vomiting if victim is unconscious. Small amounts which may accidentally enter the mouth should be rinsed out until no taste of this product remains. Clean up spills with an oil absorbent. Extinguishing media: water fog, chemical foam, dry chemical or CO₂.

WARRANTY: THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.

Our people. Your problem solvers.

For more information on this process please call us at

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