



Product Bulletin

Better Chemistry. **Better Business.**

Seep Free

Product Code: 2502100
Revised Date: 05/15/2006

Seep Free To Prevent Bleed-Out After Black Oxidizing

Seep-Free is used as a soak dip after black oxidizing with "Activated" Black Magic® "Plus" 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 an oil type liquid which is used as received and heated to 230-250°F.

PHYSICAL DATA

Specific gravity: 0.86
Percentage of volatility by volume: approx 4.0
Vapor density (air =1) approx 10
Evaporation rate (ether =1) NA
Solubility in water..... not soluble
Appearance and odor dark amber liquid; slight odor

NOTE: **Seep-Free** should be heated with either steam or indirect heat and should be equipped with an Automatic Temperature Controller.

DO NOT USE GAS HEAT - FLASH POINT - 400°F.

The tank for the **Seep-Free** solution can be fabricated from either plain low carbon steel plate, or stainless steel.

After black oxidizing and a thorough rinse, the parts are immersed in the **Seep-Free** solution for a period of 15 to 30 minutes - or until there is no reaction at the metal surface. The parts are then removed and allowed to cool. They are then immersed in Hubbard-Hall's Metal Guard® 410, water displacing rust preventive.

The **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.

Do not dump **Seep-Free** solution down the drain. Discard in accordance with local regulations for petroleum-based products.

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



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CAUTION

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: waterfog, 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.