

SuperAllTap *General Purpose Tapping Fluid*

FEATURES

- Cleanable in Aqueous/Non-Aqueous Systems
- High Content of Extreme Pressure Additives
- Maximizes Tool Life
- Non-Hazardous
- Non-Toxic
- Superior Surface Quality

GENERAL DESCRIPTION

SuperAllTap is recognized as the ultimate in high quality tapping compounds. Hangsterfer's has earned the recommendation of the leaders in the machine building and tooling industries. SuperAllTap is a heavy-duty compound used for severe thread cutting and thread forming operations. Offering superior lubrication for the tool provides benefits in productivity and tool life. The non-toxic formulation is designed for operator safety. Due to its ability to emulsify into water, SAP is excellent for use in a machine using coolant. SAP will wash off easily in to the coolant system enhancing the coolants performance with extreme pressure additives.

APPLICATIONS

| Primary | | Secondary | |
|----------------|----------------|-----------|----------|
| Tapping | Thread Forming | Coining | Punching |
| Thread Cutting | Thread Milling | Piercing | Stamping |

MATERIALS

| Primary | | Secondary |
|-----------------|-------------------------|-------------------|
| Aluminum | High Temperature Alloys | Brass |
| Armor Plate | Nickel Alloys | Powdered Metal |
| Chromium Alloys | Stainless Steel | Refractory Metals |

INSTRUCTIONS

SuperAllTap can be applied by brush or from the squeeze bottle supplied. It is not recommended to thin SuperAllTap with water or solvent.

MAINTENANCE

While oils do not require maintenance please keep the container closed while not in use to prevent contamination.

Cleaning: All Hangsterfer's Cutting Oils are formulated to minimize cleaning time. They are cleanable in both aqueous and solvent systems. For best results use a Hangsterfer's Ozonic series cleaner or recommended aqueous cleaner. Both style cleaners work best when heated to 140°F (60°C).

PRODUCT CHARACTERISTICS

| | |
|-----------------------------|----------------------|
| Product: | SuperAllTap |
| Form | Liquid |
| Color | Red |
| Odor | Mild |
| Specific Gravity | 1.2 |
| Viscosity: SUS @ 100°F | 4770 |
| cSt @ 40°C | 1030 |
| Flash Point, COC, °F/°C | Not Flammable |
| Fire Point, COC, °F/°C | Not Flammable |
| Pour Point, °F/°C | 36 / 2 |
| Solubility in Water | 80% |
| Boiling Point, °F/°C | 450 / 232 |
| Vapor Pressure, mm Hg @ 25° | <0.01 |
| pH @ 10% | 7.5 |
| Chlorine | Added as EP Additive |

WASTE TREATMENT

While Hangsterfer's oils resist contamination and degradation, contamination may require the oil to be disposed. In the normal use of oils, tramp oils enter the system that may change the disposal procedures. Some Hangsterfer's oils contain very long chain chlorinated paraffins that may be disposed of as non-hazardous if properly noted. Dispose of in accordance with local, state, federal and international laws. As with most used cutting oils, they can be refined or used in energy recovery systems.

SHIPPING UNITS

Hangsterfer's SuperAllTap is available in squirt bottles, gallons, pails, drums and Intermediate Bulk Containers (275 or 330 gallons). All products are distributed worldwide.

Date: 9/1/04 Revised: 1/21/16

Disclaimer: All reasonable care has been taken to ensure that the information contained in this publication is true and accurate. No warranty is expressed or implied regarding the accuracy of the data. The general description, recommended uses, application data and statements in the product literature are guidelines. Because this product may be used for a variety of applications over which Hangsterfer's Laboratories, Inc. has no control, Hangsterfer's Laboratories, Inc. assumes no liability for incidental, consequential, or direct damages of any kind, regardless of causes, including negligence. Also, seller is not liable for any loss, damage or liability resulting from the use of the product in the buyer's manufacturing processes or in combination with other substances. SDS's are available for all Hangsterfer's products and should be consulted as needed.

