
7412 TAP SHIELD ADVANCED

Tap Shield Advanced is a balanced, water-miscible, highly fortified extreme-pressure tapping compound designed for difficult tapping operations requiring excellent adhesion and cling.

Recommended Applications

Tap Shield Advanced is recommended for hand tapping, blind holes, deep vertical holes, and high-production automatic tapping operations. Tap Shield Advanced is suitable for use on aluminum, stainless steel, nickel alloys, copper, brass, exotic alloys, and cast iron.

Performance Features and Benefits

Tap Shield Advanced contains a special combination of temperature- and pressure-sensitive additives that are activated when the product is applied directly to the tap by brushing or dripping.

- Provides excellent lubricity to extend tap life and reduce chip welding, tap burning, and tap breakage.
- Produces accurate threads on a wide variety of metals.
- Remains soft and prevents dry residue buildup, reducing the need for cleanup after use.
- Provides effective cooling and lubrication for high-quality surface finishes.
- Rapidly dissipates heat during tapping operations.
- Extends tool, die, and tap life.
- Compatible with existing cutting fluids.
- Biostable and resistant to microbial growth.
- Does not stain aluminum, copper, brass, or bronze.
- Has a mild, unobjectionable odor.
- Does not smoke under normal use conditions.

Directions for Use

Apply Tap Shield Advanced directly to the tap by brushing or dripping before and during tapping operations as needed to maintain lubrication and cooling at the cutting interface.

Safety and Handling

- Use appropriate personal protective equipment, including safety glasses and chemical-resistant gloves, when handling the product.
- Avoid prolonged or repeated skin contact and wash exposed areas thoroughly after use.
- Use with adequate ventilation and avoid breathing mist, vapor, or spray generated during application.
- Store containers tightly closed in a cool, dry, well-ventilated area away from incompatible materials.
- Keep unused product in the original container and prevent contamination with water, dirt, or other foreign material.
- Refer to the Safety Data Sheet before use for complete hazard, first aid, spill response, disposal, and regulatory information.

VOC Regulatory Information

California: Product is intended for use in the manufacturing process only.

Typical Properties

Specific Gravity	1.03 ± 0.02
pH, 5% Solution	9.0 ± 0.5
Odor	Mild