



Equipment & Instrumentation Cleaning Cream Technical Data Sheet

Product Description

Equipment & Instrumentation Cleaning Cream is a specialized, non-abrasive cleaning solution formulated for removing dirt, grime, grease, oils, and other contaminants from sensitive equipment and instruments. It is designed for use in industrial, laboratory, and manufacturing environments where delicate surfaces require effective yet gentle cleaning. The cream-based formula provides a powerful cleaning action while maintaining the integrity of the equipment, making it ideal for use on instruments, machinery, electrical panels, and more.

The unique blend of ingredients in this product ensures that it effectively breaks down and dissolves contaminants without causing damage to the surfaces it is applied to. The mild abrasives in the formula provide controlled scrubbing action, helping to lift stubborn dirt and residues while minimizing the risk of scratching or marring surfaces. Additionally, the formula is pH balanced, ensuring compatibility with a wide range of materials, including metal, plastic, glass, and ceramic surfaces.

This cleaning cream also boasts a fast-drying formula, allowing for quick cleaning and minimal downtime in industrial operations. The product's ease of application and gentle action make it ideal for routine maintenance of sensitive instruments and equipment. It is a perfect solution for use in clean rooms, laboratories, electronics manufacturing, medical facilities, and various other industries that require clean and well-maintained machinery and instruments.

Key Features:

- Safe for use on sensitive surfaces
- Non-abrasive, prevents scratching
- Removes oils, grease, dirt, and other contaminants
- Fast-drying formula
- Suitable for use on a variety of materials, including metals, plastics, and ceramics
- Easy to apply and use
- Biodegradable and environmentally friendly

Recommended Use

1. **Laboratory Equipment Cleaning:** Equipment & Instrumentation Cleaning Cream is ideal for cleaning laboratory instruments such as glassware, metal tools, petri dishes, beakers, and test tubes. It removes oils, grease, and chemical residues, ensuring that laboratory equipment stays free from contaminants that could affect results.
2. **Electronics and Electrical Equipment:** The cleaning cream is safe for use on electronic instruments and components, such as circuit boards, control panels, and electrical contacts. It effectively removes grease, dirt, and finger marks without harming delicate parts or leaving residues that could cause short circuits.
3. **Industrial Machinery and Equipment:** Industrial machinery and equipment often accumulate oils, lubricants, and grime that may reduce operational efficiency. This product can be used to clean machines, tools, and conveyor systems, keeping them in optimal condition and preventing buildup that could cause malfunction or wear.
4. **Medical and Surgical Instruments:** For medical facilities and surgical environments, cleanliness is paramount. Equipment & Instrumentation Cleaning Cream is designed to remove contaminants from medical instruments like scalpels, forceps, and thermometers, ensuring that these tools are sterile and safe for use.



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5. **Automotive and Mechanical Parts:** This cleaner is perfect for use on automotive parts and mechanical tools, including engines, gearboxes, and other components. It quickly cuts through oils, greases, and other residues, ensuring the equipment functions smoothly and efficiently.
6. **Clean Room Equipment:** In clean room environments, where maintaining a high standard of cleanliness is essential, Equipment & Instrumentation Cleaning Cream can be used to wipe down equipment, surfaces, and tools. Its gentle formula prevents contamination while providing thorough cleaning.
7. **Sensitive Surfaces Cleaning:** For sensitive surfaces such as polished metal, plastic, or painted finishes, the non-abrasive nature of this cleaner makes it ideal for use in industries where equipment surfaces must remain flawless and scratch-free.
8. **Surface Restoration:** This product helps maintain the aesthetic and functional quality of equipment by removing tarnish, oxidization, and accumulated grime, making it suitable for cleaning both operational and display equipment.
9. **Routine Maintenance:** Regular use of the cleaner ensures that equipment remains in good working order, preventing the buildup of oils, grease, and other contaminants that can impair functionality. It's suitable for routine maintenance programs in a variety of industries.

Technical Data Specification

- **Appearance:** Creamy white paste
- **Odour:** Mild, non-offensive
- **Density:** 1.2–1.4 g/cm³
- **Viscosity:** Paste-like, easily spreadable
- **pH Level:** 6–8 (mildly alkaline)
- **Flash Point:** Non-flammable
- **Solubility:** Soluble in water
- **Biodegradability:** Biodegradable and eco-friendly
- **Packaging:** Available in 250g, 500g, and 1kg containers
- **Storage:** Store in a cool, dry place. Keep container tightly closed when not in use.

Dosage, Addition, and Method of Application

1. **Dosage:**
 - For light cleaning: Apply a small amount of the cream directly onto the surface to be cleaned.
 - For heavy contamination: Use a generous amount of the cream to cover the entire affected area.
 - The amount of cream used will depend on the size of the equipment or instrument being cleaned and the level of contamination.
2. **Addition:**
 - The product is ready to use and does not require mixing with other substances. However, for heavy grease or residue buildup, it may be used with a gentle scrubbing brush to facilitate deep cleaning.
3. **Method of Application:**
 - **Direct Application:** Apply a small amount of Equipment & Instrumentation Cleaning Cream directly onto the surface to be cleaned.
 - **For Instruments and Equipment:** Rub the cream gently onto the surface with a clean cloth or sponge. Use a soft brush for areas with more stubborn dirt or grease.

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- **For Large Machinery:** For larger equipment, the cream can be applied with a clean cloth or rag, ensuring even coverage. Let the cream sit for a few minutes to dissolve the contaminants, then wipe away with a clean, dry cloth.
 - **For Sensitive Surfaces:** When cleaning delicate or sensitive surfaces, use a soft cloth or microfiber cloth to prevent scratching. Avoid using abrasive materials or excessive force.
 - **Rinsing:** After cleaning, wipe down the surface with a damp cloth to remove any excess product, then dry with a clean towel or cloth.
 - **Surface Testing:** For first-time use on a new surface, it is recommended to test the product on a small, inconspicuous area to ensure compatibility.
4. **Cleaning Time:** Typically, cleaning time ranges from 1–5 minutes depending on the level of contamination. For tougher residues, you may need to apply the product a second time or use a scrubbing brush for more thorough cleaning.

Safety Instructions

1. **Personal Protection:**
 - Wear gloves and eye protection when using Equipment & Instrumentation Cleaning Cream to avoid direct contact with skin and eyes. Although the product is non-toxic, prolonged contact can lead to mild irritation.
 - If the product is used in poorly ventilated areas, ensure adequate ventilation to avoid inhalation of vapors or dust particles.
2. **Handling:**
 - Avoid contact with eyes. If the product gets into your eyes, immediately rinse with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.
 - In case of skin contact, wash thoroughly with soap and water. If irritation occurs, seek medical attention.
 - In case of ingestion, do not induce vomiting. Seek medical attention immediately.
3. **Storage:**
 - Store the cleaning cream in a cool, dry place away from extreme temperatures or direct sunlight.
 - Keep the container tightly sealed when not in use to prevent contamination and drying out of the product.
4. **Disposal:**
 - Dispose of used containers and any leftover product according to local environmental regulations. The product is biodegradable, but it is important to avoid direct disposal into the water system or the environment.
5. **First Aid:**
 - **Eye Contact:** Immediately flush eyes with water for 15 minutes. Seek medical help if irritation persists.
 - **Skin Contact:** Wash with soap and water. If irritation continues, consult a physician.
 - **Inhalation:** Move to fresh air and seek medical help if symptoms persist.
 - **Ingestion:** Do not induce vomiting. Rinse mouth and seek medical attention.

Equipment & Instrumentation Cleaning Cream offers a reliable, safe, and efficient solution for cleaning a variety of equipment and surfaces in industrial and commercial settings. Its gentle yet effective formula helps maintain the functionality and appearance of instruments, ensuring operational efficiency while minimizing downtime for cleaning and maintenance.