

MSDS - Prohm-tect Formulas -2, -5, -8

Prohm-tect USA, LLC

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SECTION I PRODUCT IDENTIFICATION

Product names: ProhmTECT Formulas -2, -5, and -8

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Petroleum hydrocarbon/metal mixture:

Three proprietary ingredients:

The identity of these chemicals constitutes a trade secret. To the best of Prohm-tect USA's knowledge, the product contains no SARA 313 in reportable amounts as of this date.

Mineral oil, food grade

CAS#: 8042-47-5 TLV 5mg/meter cubed (as an oil mist)

Metal powder:

Chromium and nickel are contained in a powdered alloy. The proportions of these metals in the alloy are proprietary and constitute a trade secret. Refer to the section on carcinogenicity.

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point: Fe = 5207

Specific gravity: 1.1

Vapor pressure: N/E

Solubility in water: Nil

Evaporation rate: N/E

Appearance/color: Gray, tacky
paste

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point: 435F (base oil) **COCLEL:** N/E **UEL:** N/E

Extinguishing media: Dry chemical, dry sand, graphite

Special fire-fighting procedures: Use water spray, dry chemical, foam, or carbon dioxide. Water may cause frothing. Use water to keep fire-exposed containers cool. Water froth may be used to flush spills away from exposure. Minimize breathing gases, vapor, fumes, or decomposition products. Use air-breathing equipment for enclosed or confined spaces, or as otherwise needed.

Unusual fire and explosion hazards: None expected.

SECTION V REACTIVITY DATA

Stability: Stable

Conditions to avoid: Contact with pure oxygen or strong oxidizers.

Incompatibility (materials to avoid): Avoid contact with strong oxidizers, e.g. liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

Hazardous decomposition or by-products: Fumes, smoke, carbon monoxide, oxides of carbon.

Hazardous polymerization: Will not occur.

SECTION VI HEALTH HAZARD DATA

Route(s) of entry inhalation: N/E **Ingestion:** N/E

Health hazards (acute and chronic) Eye contact : mechanical irritation conjunctivitis. Product has low order of oral and dermal toxicity.

Carcinogenicity: See p. 4

Signs and symptoms of exposure: Petroleum hydrocarbon tends to remove skin oils, leading to irritation and dermatitis.

Medical conditions generally aggravated by exposure: May cause aggravation of pre-existing condition. **Emergency and first aid procedures:** Eyes: Flush with clean water for 15 minutes; hold eyelids open while flushing; call a physician. Wash skin with soap and water. **Ingestion:** Do not induce vomiting.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Keep material out of watercourses. Absorb with sand or inert material. Sweep or scoop up and remove. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

Waste disposal method: Dispose of in accordance with federal, state, or local government regulations.

Precautions to be taken in handling and storing: Keep in closed container. Do not store near strong oxidizer.

Other precautions: Empty containers contain residue and can be dangerous. Do not pressurize, weld, cut, braze, drill, grind, or expose containers to heat, flame, sparks, sources of ignition. They may explode and cause injury or death. Bulk containers (drums) should be completely drained, properly bunged, and returned to a drum reconditioner. Do not attempt to clean since residue is difficult to remove. All other containers should be disposed of in an environmentally safe manner, and in accordance with federal, state, or local government regulations.

SECTION VIII: CONTROL MEASURES

Respiratory protection: Normally not needed at ambient temperature when proper ventilation is provided.

Ventilation: Use local exhaust to capture vapor, mist, or fumes, if necessary. Provide sufficient ventilation to prevent exceeding recommended exposure limit.

Protective gloves: Chemical-resistant gloves or finger cots.

Eye protection: Safety goggles or face shield.

Other protective clothing: Chemical-resistant apron; impervious clothing

Work/hygienic practices: Keep container closed when not in use. Do not handle near heat, sparks, flame or strong oxidants.

CARCINOGENICITY INFORMATION

The National Toxicology Program has listed nickel and nickel oxide as possible cancer hazards. The International Agency for Research on Cancer concluded there was sufficient evidence that nickel refining was carcinogenic to humans, and limited evidence that nickel and certain nickel compounds were carcinogens, but said, "... metallic nickel seems less likely to be so than nickel subsulfide or nickel oxides." The inhalation of nickel oxide, even at high concentrations, and of nickel powder has not resulted in an increased incidence of malignant tumors in rodents. Studies of workers exposed to nickel powder, and to dust and fumes generated in the production of nickel alloys and of stainless steel have not indicated a respiratory cancer hazard. Any metallic dust is contained by the grease base and does not pose an inhalation hazard.

The International Agency for Research on Cancer has determined a "casual" association between occupational exposure to chromium and certain chromium compounds and cancer in humans. This determination was based on evidence where exposures were essentially to hexavalent chromium compounds. The products covered by this MSDS contain chromium in the metallic state. Any metallic dust in contained by the grease base and does not pose an inhalation danger. The American Conference of Governmental Industrial Hygienists has reviewed the available data and concluded that chromium metal is not carcinogenic to humans. The information contained herein has been carefully prepared and reviewed, however, it relates only to the product listed and does not relate to use of the product in combination with other materials(s) or in particular processes. Since the use of the MSDS information, the conditions of use of any products, and the environment in which that product is placed are not within Prohm-tect's control, it is the user's obligation and duty to determine the conditions of safe use of the products used as well as the manner in which this product may be affected by the environment in which it may be used.

We urge you to review each MSDS to ensure that your uses of the product take into account the current information available on its potential hazards. It is your responsibility to convey this information to your employees, customers, or anyone who may be exposed to this product. Please contact Prohm-tect USA, LLC if you have any questions or need additional copies. This MSDS can also be found on our website: www.prohmtect.com.

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