Section 1. Product and Company Identification

Product Name MIL-R-21006 (Float Coat)

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801
(914) 654-6800 **(914) 654-6899**
parchem.com **info@parchem.com**

EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture
Physical Hazards
Flammable Liquids: No hazard statement

Health Hazards
Acute Toxicity (Oral): Category 4 - Harmful if swallowed, in contact with skin, inhaled
Skin Corrosion/Irritation: Category 2 - Causes skin irritation
Serious Eye Damage/Irritation: Category 2A - Causes eye irritation
Aspiration Hazard: Category 1 - May be fatal if swallowed and enters airways

GHS Label Elements
Pictograms:

Signal word: DANGER

Hazard and precautionary statements
Hazard Statements
H303 H313 H333: May be harmful if swallowed, in contact with skin or if inhaled H305: May be harmful if swallowed and enters airways

Precautionary Statements
P101+102+103: If medical advice is needed, have product container or label at hand. Keep out of the reach of children. Read label before use.
P202+270+280+281: Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required.
P501: Dispose of contents/container: Treatment, storage, transportation and disposal must be in

accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements

Total VOC's: 6.84 pounds per gallon

Section 3. Composition / Information on Ingredients

Common Name MIL-R-21006 (Float Coat)

COMPONENT	CAS NUMBER	CONCENTRATION
Mineral Oil, Hydrotreated, Heavy Naphthenic	64742-52-5	85 – 95%
Calcium Sulfonate	N/A	10 – 15%

Section 4. First Aid Measures

Breathing (Inhalation): Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial resuscitation. Keep person warm and at rest. Treat symptomatically and supportively. Seek medical attention immediately. Qualified medical personnel should consider administering oxygen.
Swallowing (Ingestion): Give large amounts of fresh water or milk immediately. Do not give anything by mouth if person is unconscious or otherwise unable to swallow. If vomiting occurs, keep head below hips to prevent aspiration. Treat symptomatically and supportively. Seek medical attention immediately.
Eyes: Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.
Skin (Dermal): Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention. When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the casualty should be sent immediately to a hospital. Do not wait for symptoms to develop.
Note to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Material, if aspirated into the lungs, may cause chemical pneumonitis. Skin contact may aggravate an existing dermatitis. Treat appropriately.

Section 5. Firefighting Measures

General Fire Hazards: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Auto ignition Temp: Not determined

Extinguishing Media: Determined by surrounding material. In case of fire, use water fog, dry chemical, CO_2, or "alcohol" foam.
Special Fire Fighting Procedures: Spilled product on ground may be slippery.
Unusual Fire and Explosion Hazards: Containers may explode from internal pressure if confined to fire. Cool with water spray. Vapor accumulation could flash or explode if in contact with an open flame.

Section 6. Accidental Release Measures

Spill Procedures: Wear appropriate personal protective equipment before approaching spill site. For small spills, dilute with water to sewer if allowed by local and state regulations. If unable to wash product with water, absorb with inert material (sand or other approved material) and dispose of in accordance with applicable regulations.
Waste Disposal: Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
RCRA Status: If discarded in its purchased form, it is not a RCRA hazardous waste. It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product should be classified as a hazardous waste. (40CFR261.20-24).

Section 7. Handling and Storage

Storage: Keep in a tightly closed container, stored in a cool, dry, ventilated area below 44°C (110°F). Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Drum must not be washed out or used for other purposes.
Handling: Avoid contact with eyes, skin and clothing. Do not inhale vapors and fumes. Wash thoroughly after handling. Use only with adequate ventilation. Do not take internally. For industrial use only.

Section 8. Exposure Controls / Personal Protection

Occupational Exposure Limits

Hazardous Ingredients	PEL	TLV-TWA
Mineral Oil, Hydrotreated, Heavy Naphthenic	None Established	None Established
Calcium sulfonate	None Established	None Established

Exposure Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information. Self-Contained Breathing Apparatus may be required for use in confined or enclosed spaces.

Protective Clothing

Eye/face protection: Wear chemical goggles; face shield (if splashing is possible).

Skin protection: Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron or chemical suit and chemical resistant boots are recommended.

Additional Measures: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

Section 9. Physical and Chemical Properties

Boiling Point: > 600°F (> 315°C)
Freezing Point: -94°F (-70°C)
Flash Point: > 325°F (> 163°C)
Upper Flame Limit (%): N/D
Lower Flame Limit (%): N/D
Vapor Pressure: < 0.007 mmHg
Vapor Density (AIR=1): > 1 (Air = 1)
Specific Gravity: 0.90 - 0.93
pH: N/A
Solubility in Water: Negligible
Volatility Including Water: 7.60 pounds per gallon
Molecular Weight: No data available (g/mol)
Evaporation Rate: ND
Physical State: Liquid
Color: Amber to Brown
Odor: Mild waxy hydrocarbon

Section 10. Stability and Reactivity

Stability: Stable
Hazardous Decomposition: Will not occur
Incompatibility: Oxidizers or Oxidizing Materials.
Hazardous Reactions: Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s).

Section 11. Toxicological Information

Cancer: Research shows that the Solvents used in the mixture are unlikely to cause cancer.
Reproductive Effects: There are no indications that the Solvents used in the mixture causes damage to reproductive organs. Solvents may affect the development of unborn babies.
Organ Systems: Damage to the brain, liver, bone marrow and kidneys can occur with repeated or excessive inhalation of any solvent vapors.

Threshold Limit Value: None Established for this Product
OSHA PEL: None Established
Listed Carcinogen: This product IS NOT listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions) or found to be a potential carcinogen by OSHA.
Medical Condition Aggravated: Existing dermatitis.

Information on Acute Toxicological Effects
Oral: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion of this product may result in central nervous system depression including headache, weakness, dizziness, loss of coordination and judgement and coma. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury, possibly death. Ingestion of this product may cause diarrhea & stomach discomfort - not a route of industrial exposure.
Dermal: Considered to be practically non-toxic based on single contact testing with little immediate effect. Skin contact may aggravate existing dermatitis.
Inhalation: Inhalation of mists or fumes at 400ppm or higher may cause burning sensation in nose & throat, intoxication dizziness, fatigue.
Repeated Dose Toxicity: Product is a amber to brown combustible liquid with typical solvent odor. Chronic exposure is harmful by inhalation, when in contact with the skin and if it is swallowed. Liquid and vapor may be irritating to the eyes, skin and respiratory system. Product may cause central nervous system (CNS) depression characterized by nausea, dizziness, headache, lack of coordination, loss of consciousness and coma.
Skin Corrosion/Irritation: Repeated and prolonged exposure to concentrated material may cause dermatitis.
Serious Eye Damage/Irritation: This product may cause severe burning sensation with temporary irritation and swelling of eyelids. Vapors may also produce eye irritation. Chronic exposure may result in cataracts and reduces visual reaction time.

Respiratory or Skin Sensitization: Not expected to be sensitizing based on tests of this product, components, or similar products.

Mutagenicity
In Vitro: No data available
In Vivo: No data available
Specified Substance(s)
White Mineral Oil: No data available

Carcinogenicity: This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
Reproductive Toxicity: Based on available data the classification criteria are not met. Not classified as hazardous.

Specific Target Organ Toxicity - Single Exposure
General: Solvent vapors may be irritating to skin and eyes.
Inhalation: High concentrations of vapor may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, possibly with chest pain and coughing.
Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.
Eye Contact: May cause mild to severe irritation experienced as discomfort or pain, excess blinking and tear production, possibly with marked redness and swelling of the conjunctiva.
Skin Contact: Brief contact may cause slight irritation with itching and local redness. Prolonged contact may cause more severe irritation, with discomfort or pain.
Ingestion: May cause headache, dizziness, nausea, vomiting, diarrhea, coma, and death.

Specific Target Organ Toxicity - Repeated Exposure: The effects of long-term, low-level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposure. This product may aggravate existing eye, skin, and respiratory conditions.
Aspiration Hazard: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause chemical pneumonia.
Other Adverse Effects: LD50 (Rodent - rat, Oral) : >5000 mg/kg, Toxic effects : Details of toxic effects not reported other than lethal dose value. LD50 (Rodent - rabbit, Administration onto the skin) : >2000 mg/kg, Toxic effects : Details of toxic effects not reported other than lethal dose value.

Section 12. Ecological Information

Acute Toxicity
Fish: 96hr LC50 (rainbow trout): >100 mg/L (based on similar products / components)
Aquatic Invertebrates: 48hr EC50 (Daphnia magna): >100 mg/L (based on similar products / components)

Chronic Toxicity
Fish: NOEC/NOEL > 100 mg/l. (based on similar products / components)
Aquatic Invertebrates: NOEC/NOEL > 100 mg/l. (based on similar products / components)
Toxicity to Aquatic Plants: Algae, practically non toxic: LL/EL/IL50 > 100 mg/l. (based on similar products / components)

Persistence and Degradability
Biodegradation: Readily Biodegradable.
Biological Oxygen Demand: No data available
Chemical Oxygen Demand: No data available
BOD/COD Ratio: No data available
Bioaccumulative Potential: Accumulation in terrestrial organisms is unlikely. Bioaccumulation is unlikely.
Mobility in Soil: Not expected to partition to sediment and wastewater solids.
Results of PBT and mPvB Assessment: Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria. Not fulfilling vPvB (very persistent, very bioaccumulative) criteria.
Other Adverse Effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

UN/NA Number: None
Proper Shipping Name: Non-Regulated
Hazard Class: None
Packaging Group: None
Letter: None
Environmental Hazard: Because of modern treatment methods or method of use of this product, only an insignificant amount of the ingredients reaches the environment. That amount is at such levels as to typically not cause any adverse effects.
Reportable Quantity: None

Section 15. Regulatory Information

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System. This SDS complies with 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD). **Important:** Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product.

EPA SRA Title III Chemical Listings
TSCA Status: This product is listed on the TSCA inventory. If this product is a blend, all ingredients in the product are listed on the TSCA Inventory List. Any impurities present in this product are exempt from listing.
Section 302: None
Section 304: None
Section 312: None
SARA Section 313: None
Acute: Yes
Chronic: No
Fire: No
Pressure: No
Reactive: No
Clean Water Act: None

IMDG - International Marine Dangerous Goods Code
Class Non Regulated - Possible Shipping Description(s): Non Regulated
IATA
Class Non Regulated - Possible Shipping Description(s): Non Regulated

DEA Chemical Trafficking Act: No

HMIS Rating
Health: 1
Flammability: 1
Reactivity: 0
Personal Protection: C

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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