

Section 1. Product and Company Identification

Product Name MIL-PRF-85570D Type 1

Parchem - fine & specialty chemicals

415 Huguenot Street

New Rochelle, NY 10801

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 **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: No hazard statement

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

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: 6.75 pounds per gallon

Section 3. Composition / Information on Ingredients

Common Name MIL-PRF-85570D Type 1

COMPONENT	CAS NUMBER	CONCENTRATION
Petroleum Distillate	64742-94-5	35 – 45%
Ethoxylated Alkylphenol	9016-45-9	5 – 15%
Triethanolamine	102-71-6	5 – 15%
Hexylene Glycol	107-41-5	5 – 15%
Dipropylene Glycol Methyl Ether	34590-94-8	5 – 15%
Water	7732-18-5	5 – 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.

Section 5. Firefighting Measures

General Fire Hazards: Fire can cause dehydration of water from blend making it a fuel source for the fire.



Auto-Ignition Temp: Not determined

Extinguishing Media: Determined by surrounding material. In case of fire, use water fog, dry chemical, CO₂, 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.

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. (40 CFR 261.20 - 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 Ingredient	PEL	TLV-TWA	Notes
Petroleum Distillate	10 ppm	10 ppm	
Ethoxylated Alkylphenol	None Established	None Established	
Triethanolamine	5 ppm	5 ppm	
Hexylene Glycol	25 ppm	125 ppm	



Dipropylene glycol methyl ether	100 ppm	150 ppm	
Water	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.

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: > 225°F (> 107°C)

Freezing Point: < 32°F

Flash Point: > 180°F

Upper Flame Limit (%): No data available

Lower Flame Limit (%): No data available

Vapor Pressure: ND

Vapor Density (Air=1): > 1

Specific Gravity: 0.94 - 0.96

pH: 8.50 - 8.80

Solubility in Water: Complete

Volatility Including Water: 7.92 pounds per gallon

Molecular Weight: NA

Evaporation Rate: Similar to Water

Physical State: Liquid

Color: Clear Amber to Brown



Odor: Petroleum Odor

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 for this Product

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 may cause irritation, nausea, vomiting, diarrhea, dizziness, drowsiness, weakness, collapse, coma, aspiration pneumonia.

Dermal: Skin contact may aggravate existing dermatitis.

Inhalation: Inhalation may cause severe irritation, coughing. Prolonged or repeated overexposure by inhalation may cause headache, nausea, drowsiness.

Repeated Dose Toxicity: No Data Available

Skin Corrosion/Irritation: Repeated and prolonged exposure to concentrated material may cause dermatitis.

Serious Eye Damage/Irritation: May cause mild to severe eye irritation

Respiratory or Skin Sensitization: No Data Available

Mutagenicity

In Vitro: No Data Available

In Vivo: No Data Available

Specified Substances	Information as provided by Manufacturer
Petroleum Distillate	No Data Available



Carcinogenicity: Based on available data the classification criteria are not met. Not classified as hazardous.

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.

Eyes: 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: Brief contact may cause slight irritation with itching and local redness. Prolonged contact may cause more severe irritation, with discomfort or pain.

Swallowing: 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: Negligible ecotoxicity

Section 12. Ecological Information

Acute Toxicity

Fish: No data available

Aquatic Invertebrates: No data available

Chronic Toxicity

Fish: No data available

Aquatic Invertebrates: No data available

Toxicity To Aquatic Plants: No data available

Persistence and Degradability

Biodegradation: Biodegradability under aerobic static laboratory conditions is high (BOD20 or BOD28 / THOD greater than 80%).

Biological Oxygen Demand: No data available

Chemical Oxygen Demand: No data available

BOD/COD Ratio: No data available

Bioaccumulative Potential: Potential to bioaccumulate is low.



Mobility in Soil: Expected to partition to water.

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 data available

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 (Eyes)

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: 2

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.

REVISION DATE: 5/12/2016

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