



**Trade name:** Par Kool SS 387 LF

### SECTION 1: Identification

**Product identifier:** Par Kool SS 387 LF.  
**Synonyms:** None available.  
**Product Code Number:** FG04003.  
**SDS number:** CGF010A  
**Recommended use:** Metal Working Fluid.  
**Recommended restrictions:** None known.

#### Manufacturer/Importer/Supplier/Distributor information:

**Company Name:** CGF Inc.  
**Company Address:** 317 Peoples Ave  
Rockford, IL 61104  
**Company Telephone:** Office hours (Mon – Fri)  
8.00am – 4:30pm (CST)  
(815) 967-4400  
**Company Contact Name:** Main Office.  
**Emergency phone number:** CHEMTREC 24 HOUR EMERGENCY NUMBER:  
(800) 424 9300.

### SECTION 2: Hazard(s) identification

#### Classification of the chemical in accordance with paragraph (d) of §1910.1200:

##### *Physical hazards*

Not classified as a physical hazard under GHS criteria

##### *Health hazards*

Skin irritation (Category 2), H315.  
Skin sensitizer (Category 1), H317.  
Eye irritation (Category 2A), H319.

##### *Environmental hazards*

Not classified as an environmental hazard under GHS criteria

**GHS Signal word:** WARNING.

**GHS Hazard statement(s):** Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.

**GHS Hazard symbol(s):**



**GHS Precautionary statement(s):**

**Prevention:** Avoid breathing dust/fume/ gas/mist/vapors/spray.  
Wash thoroughly after handling.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves / eye protection / face protection.

**Response:** IF ON SKIN: Wash with plenty of soap and water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see instructions on this label as required).  
If skin irritation or rash occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Take off contaminated clothing and wash before reuse.

**Storage:** None required.

**Disposal:** Dispose of contents/containers to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

**Hazard(s) not otherwise Classified (HNOC):** None known.

**Percentage of ingredient(s) of unknown acute toxicity:**  
18% of the mixture consists of ingredients of unknown acute toxicity (oral/dermal/inhalation).

### SECTION 3: Composition/information on ingredients

#### Mixture:

Chemical name	Concentration (weight %)	CAS#
Chlorinated Paraffin	5 – 10%	63449-39-8
Proprietary amide	5 – 10%	Proprietary
Ethanolamines	1 - 5%	141-43-5
Hexahydro-1, 3, 5-tris(2 hydroxyethyl)-s-triazine	1 – 5%	4719-04-4

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret due to the proprietary nature of one of the components.

Note: The balance of the ingredients are not classified as hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

### SECTION 4: First-aid Measures

**Inhalation:** If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin contact:** Remove contaminated clothing and wash skin with soap and water. Wash clothing before reuse.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention promptly, preferably an ophthalmologist, urgently.

**Ingestion:** If ingested, give at least two glasses of milk or water and induce vomiting, unless the patient is unconscious. Call a physician.

**Most important symptoms/effects, acute and delayed:** Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause harm to breast-fed children.

**Indication of immediate medical attention and special treatment needed:** The hazards of this material are mainly due to its irritant properties on the skin and mucosal surfaces. There is no specific antidote and treatment should be directed at the control of symptoms and the clinical condition.

### SECTION 5: Fire-fighting measures

**Suitable extinguishing media:** Dry chemical, carbon dioxide, or water spray is recommended.

**Unsuitable extinguishing media:** No data available.

**Specific hazards arising from the chemical:**

Burning can produce carbon monoxide and/or carbon dioxide, hydrogen chloride and nitrogen oxides.

**Special protective equipment and precautions for fire-fighters:** For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective clothing. When the potential chemical hazard is unknown, in enclosed or confined spaces, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done safely.

**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Stay upwind and away from spill/release. Avoid direct contact with liquid and vapors. For large spillages, notify persons downwind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

**Environmental Precautions:** Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Use water sparingly to minimize environmental contamination and reduce disposal requirements. If spill occurs on water notify appropriate authorities and advise shipping of any hazard.

**Methods and material for containment and cleaning up:** Notify relevant authorities in accordance with all applicable regulations. Immediate cleanup of any spill is recommended. Dike far ahead of spill for later recovery or disposal. Absorb spill with inert material such as sand or vermiculite, and place in suitable container for disposal. If spilled on water remove with appropriate methods (e.g. skimming, booms or absorbents). In case of soil contamination, remove contaminated soil for remediation or disposal, in accordance with local regulations. Recommended measures are based on the most likely spillage scenarios for this material; however local conditions and regulations may influence or limit the choice of appropriate actions to be taken. See Section 13 for information on appropriate disposal.

**SECTION 7: Handling and Storage**

**Precautions for safe handling:** Use with adequate ventilation. Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Do not breathe vapors or mists. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

**Conditions for safe storage, including any incompatibles:** Keep container(s) tightly closed and properly labeled. Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage.

"Empty" containers retain residue and may be dangerous. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**SECTION 8: Exposure controls/personal protection**

**Control Parameters:**

**Occupational exposure limits:**

<b>US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Permissible Exposure Limits</b>		
<b>Substance</b>	<b>PEL-TWA (8 hour)</b>	<b>PEL-STEEL (15 min)</b>
Chlorinated paraffin	No data available	No data available
Proprietary amide	No data available	No data available
Ethanolamines	3 ppm (6 mg/m <sup>3</sup> )	No data available
Hexahydro-1, 3, 5-tris(2 hydroxyethyl)-s-triazine	No data available	No data available

<b>US ACGIH Threshold Limit Values</b>		
<b>Substance</b>	<b>TLV-TWA (8 hour)</b>	<b>TLV-STEEL (15 min)</b>
Chlorinated paraffin	No data available	No data available
Proprietary amide	No data available	No data available
Ethanolamines	3 ppm	6 ppm
Hexahydro-1, 3, 5-tris(2 hydroxyethyl)-s-triazine	No data available	No data available

<b>NIOSH Exposure Limits</b>		
<b>Substance</b>	<b>TWA</b>	<b>STEEL</b>
Chlorinated paraffin	No data available	No data available
Proprietary amide	No data available	No data available
Ethanolamines	3 ppm (8 mg/m <sup>3</sup> )	6 ppm (15 mg/m <sup>3</sup> )
Hexahydro-1, 3, 5-tris(2 hydroxyethyl)-s-triazine	No data available	No data available

**Appropriate engineering controls:** General (mechanical) room ventilation is expected to be adequate. Special local ventilation is suggested at points where vapors can be expected to escape to the workplace air.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** The use of eye protection, such as monogoggles, that meets or exceeds ANSI Z.87.1 is recommended to protect against potential eye contact, irritation, or injury.

**Skin and Hand protection:** The use of gloves impervious to the specific material handled is advised to prevent skin contact. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Recommended glove type – PVC coated or butyl gloves.

**Respiratory protection:** Self-contained breathing apparatus in high vapor concentrations. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use. Air purifying respirators provide limited protection and cannot be used in atmospheres that exceed the maximum use concentration (as directed by regulation or the manufacturer's instructions), in oxygen deficient (less than 19.5 percent oxygen) situations, or under conditions that are immediately dangerous to life and health (IDLH).

**Other:** Eye wash and quick-drench shower facilities should be available in the work area. Chemical aprons should be used.

**Thermal hazards:** No data available.

**SECTION 9: Physical and chemical properties**

**Appearance**

<b>Physical state:</b>	Liquid
<b>Form:</b>	Liquid
<b>Color:</b>	Clear blue
<b>Odor:</b>	Soap / Mild smell
<b>Odor threshold:</b>	No data available
<b>pH:</b>	9.4 @ 20:1
<b>Melting point/freezing point:</b>	No data available
<b>Initial Boiling Point/Range:</b>	212 °F
<b>Flash point:</b>	None – contains water
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%):</b>	No data available
<b>Flammability limit – upper (%):</b>	No data available
<b>Explosive limit – lower (%):</b>	No data available

<b>Explosive limit – upper (%):</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Specific gravity:</b>	1.00
<b>Solubility in water:</b>	Soluble
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available

**Other information:**

<b>% Volatile by volume:</b>	< 10%
<b>Pour Point:</b>	No data available

**SECTION 10: Stability and Reactivity**

<b>Reactivity:</b>	Not chemically reactive.
<b>Chemical stability:</b>	Stable under normal ambient and anticipated conditions of use.
<b>Possibility of hazardous reactions:</b>	Hazardous reactions not anticipated.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible materials:</b>	Avoid contamination with strong acids, strong bases, strong oxidizing agents, aldehydes, ketones, acrylates, organic anhydrides and organic halides.
<b>Hazardous decomposition Products:</b>	Burning can produce carbon monoxide and/or carbon dioxide, hydrogen chloride and nitrogen oxides.

**SECTION 11: Toxicological information**

**Information on likely routes of exposure:**

<b>Inhalation:</b>	Mists and vapors formed from heated solutions may be irritating and cause coughing and discomfort in the nose, throat and chest.
<b>Ingestion:</b>	Signs and symptoms may include pain or discomfort in the mouth, chest and abdomen, nausea, vomiting, diarrhea, dizziness, drowsiness, faintness, weakness, collapse and coma.
<b>Skin:</b>	Brief contact may cause minimal irritation, seen as mild local redness. Prolonged contact, as with clothing wetted with the material, may cause more severe irritation seen as local redness and swelling.
<b>Eyes:</b>	May cause irritation, seen as excess redness and swelling of the conjunctiva.

**Symptoms related to the physical, chemical, and toxicological characteristics:**

None known.

**Delayed and immediate effects and chronic effects from short or long-term exposure:**  
 None known.

**Acute toxicity:**

**Ingredient Information:**

Substance	Test Type (species)	Value
Chlorinated paraffin	LD <sub>50</sub> Oral (Rat)	> 21500 uL/kg
	LD <sub>50</sub> Dermal (Rabbit)	> 10 mL/kg
	LC <sub>50</sub> Inhalation (Rat)	No data available
Proprietary amide	LD <sub>50</sub> Oral (Rat)	4765 mg/kg
	LD <sub>50</sub> Dermal (Rabbit)	No data available
	LC <sub>50</sub> Inhalation (Rat)	No data available
Ethanalamines	LD <sub>50</sub> Oral (Rat)	1720 mg/kg
	LD <sub>50</sub> Oral (Mouse)	700 mg/kg
	LD <sub>50</sub> Dermal (Rabbit)	1 mL/kg
	LC <sub>50</sub> Inhalation (Mouse)	> 2420 mg/m <sup>3</sup> (2h)
Hexahydro-1, 3, 5-tris(2 hydroxyethyl)-s-triazine (78.5%)	LD <sub>50</sub> Oral (Rat)	763 mg/kg
	LD <sub>50</sub> Dermal (Rabbit)	> 2000 mg/kg
	LC <sub>50</sub> Inhalation (Rat)	No data available

**Product Acute Toxicity Estimates:**

- Acute Oral Toxicity – no data available
- Acute Dermal Toxicity - no data available
- Acute Inhalation Toxicity - no data available

- Skin corrosion/irritation:** Brief contact may cause minimal irritation, seen as mild local redness. Prolonged contact, as with clothing wetted with the material, may cause more severe irritation seen as local redness and swelling.
- Serious eye damage/eye irritation:** May cause irritation, seen as excess redness and swelling of the conjunctiva.
- Respiratory sensitization:** No information available.
- Skin sensitization:** No information available on the mixture, however one of the components has been classified for skin sensitization.
- Germ cell mutagenicity:** No information available on the mixture, however none of the components have been classified for Germ cell mutagenicity (or are below the concentration threshold for classification).



**Carcinogenicity:** No information available on the mixture, however none of the components have been classified for carcinogenicity (or are below the concentration threshold for classification).

**Reproductive toxicity:** No information available on the mixture, however none of the components have been classified for Reproductive toxicity, (below the concentration threshold for classification).

**Specific target organ toxicity- Single exposure:** Not expected to cause organ effects from single exposure.

**Specific target organ toxicity- Repeat exposure:** Not expected to cause organ effects from repeated exposure.

**Aspiration hazard:** No information available on the mixture, however none of the components have been classified for Aspiration hazard (or are below the concentration threshold for classification).

**Further information:** No data available

**SECTION 12: Ecological information**

**Ecotoxicity:**

**Product data:** No data available

**Ingredient Information:**

Substance	Test Type	Species	Value
Chlorinated paraffin	LC <sub>50</sub>	Fish <i>Oncorhynchus mykiss</i> (Rainbow trout) <i>Lepomis macrochirus</i> (bluegill)	> 300 mg/L (24h) > 300 mg/L (24h)
	LC <sub>50</sub>	Invertebrate	No data available
	EC <sub>50</sub>	Algae	No data available
Proprietary amide	LC <sub>50</sub>	Fish <i>Carassius auratus</i> (goldfish)	1100 mg/L (24h)
	LC <sub>50</sub>	Invertebrate Daphnid	130 mg/L(48h)
	EC <sub>50</sub>	Green Algae	91 mg/L (96h)
Ethanolamines	LC <sub>50</sub>	Fish	3438 mg/L (96h)
	LC <sub>50</sub>	Invertebrate Daphnid	159 mg/L (48h)
	EC <sub>50</sub>	Green Algae	86.43 mg/L (96h)

Hexahydro-1, 3, 5-tris(2 hydroxyethyl)-s-triazine (78.5%)	LC50	Fish <i>Oncorhynchus mykiss</i> (rainbow trout)	LC50 - > 119 ppm (96h)
	LC50	Invertebrate <i>Daphnia magna</i>	LC50 – 26.1 ppm (48h)
	EC <sub>50</sub>	Green Algae	No data available

**Toxicity:** No data available.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other adverse effects:** None anticipated.

### SECTION 13: Disposal considerations

#### Disposal instructions:

The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations.

See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties. It is possible that the material as produced contains constituents which are not required to be listed in the SDS but could affect the hazardous waste determination. Additionally, use which results in chemical or physical change of this material could subject it to regulation as a hazardous waste.

### SECTION 14: Transport Information

#### U.S. Department of Transportation (DOT)

Shipping Description:

Not regulated

Note:

U.S. DOT compliance requirements may apply. See 49 CFR 171.22, & 23.

#### International Maritime Dangerous Goods (IMDG)

Shipping Description:

Not regulated

Note:

U.S. DOT compliance requirements may apply. See 49 CFR 171.22, 23 & 25.

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable.

#### International Civil Aviation Org. / International Air Transport Assoc. (ICAO/IATA)

UN/ID #:

Not regulated

Note:

U.S. DOT compliance requirements may apply. See 49 CFR 171.22, 23 & 24.

### SECTION 15: Regulatory Information

USA:

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is hazardous under OSHA.

**Toxic Substances Control Act (TSCA)** – All substances in this product are listed, as required, on the TSCA inventory.

**SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:**

Section 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**CERCLA Hazardous Substance List, 40 CFR 302.4:** This product contains chemicals listed on CERCLA. None

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**  
None

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** None

**SARA Title III**

**Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):** None

**Section 311/312 (40 CFR 370):**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** Yes

**Fire Hazard:** No

**Pressure Hazard:** No

**Reactivity Hazard:** No

**Section 313 Toxic Release Inventory (40 CFR 372):**

None

**STATE REGULATIONS:**

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986:** No components are listed on Prop 65.

**Massachusetts Right to Know:** Chlorinated paraffin (as Chlorinated Paraffins ( C12, 60% Chlorine) and Ethanolamine are listed on the Massachusetts Right to Know List.

**Minnesota Hazardous Substance List:** Chlorinated paraffin (as Paraffin oils, chloro) and Ethanolamine are listed on the Minnesota Hazardous Substance List.

**New Jersey Right to Know:** Chlorinated paraffin (as Polychlorinated alkanes) and Ethanolamine are listed on the New Jersey Right to Know list.

**Pennsylvania Right to Know:** Ethanolamine is listed on the Pennsylvania Right to Know List.

**Rhode Island Hazardous Substance List:** Ethanolamine is listed on the Rhode Island Hazardous Substance List.

**Canada WHMIS Hazard Class:** D2B - Toxic materials.

#### **SECTION 16: Other Information**

Revision Date: March 10, 2015

To the best of our knowledge, the information contained herein is accurate. However CGF INC does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.