

**SECTION I** **PRODUCT IDENTIFICATION -**  
Product Name: Garflor #134 DOT Proper Shipping Name: Corrosive solid, basic, inorganic, n.o.s (contains Sodium metasilicate) , 8, UN3262, PGIII  
Formula Type: Highly alkaline powdered detergent.

**SECTION II** **HAZARDOUS INGREDIENTS -**

Name	C.A.S. No.	%	Exposure Limit
Sodium metasilicate ( Na <sub>2</sub> SiO <sub>3</sub> )	6834-92-0	< 40	OES 2mgm/m <sup>3</sup>
Pine Oil	8002-09-3	< 2	Not Available

The criteria for listing components in this section are: Carcinogens are listed when present at 0.1% or greater, components which are otherwise hazardous according to OSHA are listed when present at 1% or greater. Non hazardous components are not listed. This is not a composition disclosure.

**SECTION III** **PHYSICAL DATA**

Appearance/Odor:	Yellow powder, pine odor	Solubility in Water:	complete	Evaporation Rate (butyl acetate=1):	NA
Specific Gravity:	NA	pH:	12.4 (1% solution)	Vapor Pressure (mm HG):	NA
% Evaporation by Volume:	Nil	Boiling Point (F°):	NA	Vapor Density (air=1):	NA

**SECTION IV** **FIRE AND EXPLOSION INFORMATION -**  
Flashpoint (F°) (Method Used): NA, Not applicable. Product is not combustible.  
Extinguishing media:          foam          CO<sub>2</sub>          dry chemical          water fog          other xx not applicable  
Special fire fighting procedures: Use procedures proper for the primary source of the fire. Treat as an alkaline material.  
Unusual fire and explosion hazard: Self contained breathing apparatus should be worn by fire fighters in buildings or confined areas where product is stored.

**SECTION V** **HEALTH HAZARD DATA -** Primary routes of entry: eyes, skin, ingestion, and inhalation  
Signs and symptoms -  
Eye Contact: Immediate and severe irritation. Corrosive to eyes with possible permanent corneal damage..  
Skin Contact: Can cause severe burns or permanent damage to skin.  
Inhalation: Spray mist or fog of solutions may cause irritation to the respiratory tract, mouth, throat, esophagus, and stomach.  
Ingestion: Harmful if swallowed. May cause corrosive damage to mouth, throat, esophagus, and stomach.  
Medical conditions generally aggravated by exposure: Pre-existing skin and lung diseases.

**FIRST AID PROCEDURES -**  
Eye Contact: Immediately flush with cool running water for 15 minutes, while holding eyelids apart. Contact a physician immediately.  
Skin Contact: Immediately wash with cool water and soap. Rinse with cool running water. Remove contaminated clothing. Contact physician if irritation develops.  
Inhalation: Move to fresh air. Monitor breathing and treat symptomatically. Call a physician.  
Ingestion: Do not induce vomiting. Drink 1-2 glasses of water or milk. Call a physician or poison control center immediately. Never give anything to drink to an unconscious person.

**SECTION VI** **REACTIVITY DATA -**  
Stability: Stable  
Incompatibility (materials to avoid): Strong acids, oxidizers.  
Hazardous decomposition products: Possibly CO<sub>2</sub> or hydrogen.  
Hazardous polymerization: Will not occur

**SECTION VII** **SPILL LEAK PROCEDURES -**  
Steps to be taken in case material is released or spilled: Stop source of leak or spill. Shovel up and place in suitable container for chemical waste disposal.  
Flush spill area with water and dispose according to federal, state, and local regulations.  
Waste disposal information: Properly neutralized liquid (pH 6 to 9) may be permitted to be disposed at a suitable facility in accordance with all federal, state and local regulations.

**SECTION VIII** **SPECIAL PROTECTION INFORMATION -**  
Respiratory Protection: 3M Dust Mask #8710  
Ventilation: Local exhaust recommended.  
Protective gloves: Rubber gloves should be worn. Decontaminate with soap and water.  
Eye Protection: Face shield and splash proof goggles should be worn.  
Other protective measures: Rubber boots if there is a solution spill. Contaminated clothing should be washed and dried before reusing.

**SECTION IX** **SPECIAL PRECAUTIONS -**  
Handling and Storage: Keep container closed when not in use. Store in a cool dry place. Keep out of reach of children. For industrial & institutional use only. Store as a strong corrosive. Signal Word: **DANGER**. Can cause severe burns and permanent damage to eyes and skin.

**SECTION X** **TOXICITY DATA -**  
This product does not contain ingredients considered to be carcinogenic by the NTP, IARC, or OSHA.

**SECTION XI** **HAZARD RATING -** 0 = MINIMAL 1 = SLIGHT 2 = MODERATE 3 = SERIOUS 4 = SEVERE  
Health: 3 Reactivity: 0 Fire: 0 Pers. Prot. B

**SECTION XII** **REGULATORY INFORMATION -**  
DOT regulated as a Class 8 Corrosive: Corrosive solid, basic, inorganic, n.o.s. (contains sodium metasilicate), 8, UN 3262, PG III

**SECTION XIII** **DOCUMENTARY INFORMATION -**  
Date issued: 9/20/2011 Supercedes: 9/20/2007 Reason for update: Routine  
To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes 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 that exist.