



Date Issued: 5/21/2010

Material Safety Data Sheet

Product Name: **F30 - Bug Off**

## 1. Product and Company Information

P & S Sales, Inc  
20943 Cabot Blvd.  
Hayward CA 94545

Emergency Number: 800-255-3924  
Customer Service: 510-732-2628  
Business Fax: 510-732-2632

Generic Description: Clear BlueLiquid with low odor

NFPA Profile: Health 2 Flammability 0 Reactivity 0

## 2. OSHA Hazard Components

CAS Number	Wt %	Component Name
6834-92-0		Sodium Metasilicate

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

## 3. Effects of Overexposure

Hazards for sodium metasilicate - May cause permanent eye damage. Corrosive to eyes, skin, respiratory and digestive tract. Potentially irritating by all routes of exposure. May cause allergic contact dermatitis. May cause coughing, sneezing or other symptoms of upper respiratory tract irritation. Severely irritating to eyes, causing pain, tearing and general inflammation. May cause severe burns to the mucous membranes of the digestive tract. Repeated contact with skin may cause dermatitis in sensitive individuals.

## 4. First Aid Measures

IN CASE OF CONTACT, immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Destroy contaminated shoes that can not be decontaminated.

IF SWALLOWED, do NOT induce vomiting. Give water to drink. Get medical attention immediately. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## 5. Fire Fighting Measures

Flash Point	N/A	Upper Flamability Limit	N/A
Auto Ignition	N/A	Lower Flamability Limit	N/A

Fire fighters and other who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

## 6. Accidental Release Measures

Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off and transfer to drums or tanks for later disposal. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.



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## 7. Handling and Storage

Do not get in eyes, or skin or on clothing. Do not breathe mist. Keep container closed. Use only with adequate ventilation. Do not taste or swallow. Wash thoroughly after handling.

Wear personal protective as described in personal protection section (8).

Storage: Do NOT store near strong acids.

## 8. Exposure Controls and Personal Protection

6834-92-0 Sodium Metasilicate

none established

Investigate engineering techniques to reduce exposures below airborne exposure limits. Provide ventilation if necessary to control exposure levels below airborne exposure limits (see below). Dilution ventilation acceptable, but local mechanical exhaust ventilation preferred, if practical, at sources of air contamination such as open process equipment. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems. Monitor carbon monoxide and oxygen levels in tank and enclosed spaces.

Eye/ Face Protection:

Where there is potential for eye contact, wear chemical goggles, and have eye- flushing equipment immediately available.

Skin Protection:

Natural rubber or Polyvinyl chloride gloves should be worn when handling this material. Wear chemical goggles and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse immediately if skin is contaminated. Remove contaminated clothing promptly and wash before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash skin thoroughly after handling.

Respiratory Protection:

Avoid breathing vapor or mist. Use NIOSH approved respiratory protection equipment appropriate to the material and/ or its components when airborne exposure limits are exceeded (see below). Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where exposure limit may be significantly exceeded, use an approved full-face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply.

Respiratory protection

programs must comply with 29 CFR & 1910.134

Other Protective Equipment: Rubber boots, Rubber suit or Apron, Chemical resistant protective clothing.

## 9. Physical and Chemical Properties

Physical State Liquid

Color Blue

Vapor Press 1.6 mm/Hg @20C

pH 10

Specific Gravity 1.03

Viscosity thin

Vapor Density (Air=1) N/A

Melting Point °F 28

Odor Citrus

Water Solubility complete

VOC Content 0 lb/Gal

## 10. Stability and Reactivity

Stability Stable

Hazardous Polymerization Not Expected to Occur

Conditions to Avoid

Avoid strong acids, metals and organic material such as chlorinated hydrocarbons.



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**Hazardous Decomposition Products** Explosive hydrogen gas can be liberated on contact with metals, such as zinc, tin or aluminum. Hydrogen gas can result in explosive hazards in confined spaces.

### 11. Toxicological Information

This material is expected to be severely irritating to eyes. This material may be corrosive to all tissues depending on concentration and length of exposure.

### 12. Ecological Information

There is limited information available on the environmental fate of this material. This material is alkaline and may raise the pH of surface waters. The organic portions of the cleaner are biodegradable but are not allowed in surface waters.

### 13. Disposal Information

Consult with environmental engineer or professional to determine if neutralization is appropriate and for handling procedures for residual material. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulation.

### 14. Transportation Information

Cleaning Compound, Not Regulated

### 15. Regulatory Information

#### REGULATORY INFORMATION

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)

Immediate (Acute) Health: Yes    Fire: No    Delayed Chronic Health: No    Reactive: No

Sudden Release of Pressure: No

The components of this product are all on the TSCA inventory list.

International Regulations:

Canada: WHMIS hazard class: E, D2B

### 16. Other Information

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. If buyer repackages this product, legal counsel should be consulted to insure proper health, safety and other necessary information is included on the container.

