



## Section 1. Product and Company Identification

**Product Identifier** F30 - Bug Off  
**Product Use Description:** Clear BlueLiquid with low odor

### Manufacturer or suppliers' details

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

## Section 2. Hazards Identification

### GHS Classification

**Eye Damage** : Category 1  
**Chronic Aquatic Toxicity** : Category 4  
**Skin Irritation** : Category 2

### GHS Label Elements

#### Hazard Pictograms



**Hazard Word**            **Warning**

#### Hazard Statements

May be harmful if swallowed  
Causes serious eye irritation  
May cause respiratory irritation  
Causes mild skin irritation

### Precautionary Statements

P264: Wash skin thoroughly after handling  
P273: Avoid release to the environment  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P330: Rinse mouth  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P310: present and easy to do – continue rinsing  
P501: Immediately call a POISON CENTER or doctor/physician  
Dispose of contents/container to an approved waste disposal plant.

## 3. Composition Information on Ingredients

CAS Number	Wt %	Component Name
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10213-79-3	1-4%	Sodium Metasilicate
66455-15-0 / 68551-12-2	3-8%	Ethoxylated Alcohol Mixture
68439-46-3	1-5%	Ethoxylated Alcohol Mixture
61791-10-4	1.2%	coco alkylbls(hydroxyethyl)methyl. ethoxylated,

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

#### 4. First Aid Measures

**If Inhaled:** If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms are experienced.

**Skin Contact:** Flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, consult a physician.

**Eye Contact:** Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if able to do so. Immediately call a doctor or physician.

**If Ingested:** Do not induce vomiting unless instructed to do so by a physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 5. Fire Fighting Measures

**Flammability Overview:** Considered a low flammability risk.

**Extinguishing Media:** Use water-spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Tailor extinguishing media to surrounding fire. Avoid using high-pressure water jet that can froth liquid.

#### Special Protective Equipment for Firefighters:

Wear a self-contained breathing apparatus (SCBA) for fighting large fires.

**Hazardous Combustion Products:** Carbon oxides.

#### 6. Accidental Release Measures

**Personal Precautions:** Use personal protective equipment. Avoid breathing vapors, mist, or gas. Always ensure adequate ventilation. No action should be taken involving any personal risk or without suitable training.

**Environmental Precautions:** If safe to do so, avoid the dispersal of spilled material and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution. Product may be harmful to the environment. Collect spillage.

**Containment and Clean Up:** If safe to do so, stop the leak or spill. Move containers away from the spill area.

Prevent entry into sewers, water courses, basements, and confined areas. Contain and collect spilled material with non-combustible, absorbent material and place in a container for disposal according to local regulations. Dispose via a licensed waste disposal contractor. Contaminated absorbent material may pose the same physical hazards as the spilled product. If assistance is needed call CHEMTREC or



emergency services.

### 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

10213-79-3	Sodium Metasilicate	none established
66455-15-0 /	Ethoxylated Alcohol Mixture	none established
68551-12-2		
68439-46-3	Ethoxylated Alcohol Mixture	none established
61791-10-4	coco alkylbls(hydroxyethyl)methyl ethoxylated, chlorides	

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



<b>Flash Point</b> >100°C (212°F)	<b>Upper Flamability Limit</b> N/A	
<b>Auto Ignition</b> N/A	<b>Lower Flamability Limit</b> N/A	
<b>Physical State</b> Liquid	<b>Color</b> Blue	<b>Vapor Press</b> 1.6 mm/Hg @20C
<b>pH</b> 10.5	<b>Specific Gravity</b> 1.03	<b>Viscosity</b> thin
<b>Vapor Density (Air=1)</b> N/A	<b>Melting Point °F</b> 28	<b>Odor</b> low
<b>Water Solubility</b> complete	<b>VOC Content</b> 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.

**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

Acute Toxicity - mixture

LD50 (oral) Rat > 5000 mg/Kg (based on component data)

LD50 (dermal) Rabbit > 5000 mg/Kg (based on component data)

LD50 (inhalation) Rat > 5000 mg/m<sup>3</sup> (OECD 403) (based on component data)

Inhalation: May be harmful if inhaled. Avoid breathing vapors.

Skin: May cause skin irritation.

Eyes: Causes serious eye irritation or damage. Avoid contact.

Ingestion: May be harmful if swallowed. Do not ingest.

## 12. Ecological Information

Acute Ecotoxicity - mixture

LC50 (96 hr) Fish = 250 mg/l

Considered readily biodegradable

Not expected to bioaccumulate

This product may be harmful to the environment and aquatic organisms if released in large quantities. Avoid release into sewers, drains, and waterways. Inform the relevant authorities if the product has caused environmental pollution. Collect spillage.

## 13. Disposal Considerations

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

**OSHA Hazards** : Acute Health hazard

**EPCRA - Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity** - This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute health hazard

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

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Prop. 65** : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List** -  
Not Regulated

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)** -  
Not Regulated

**Safe Drinking Water Act** -  
Not Regulated

#### 16. Other Information Revision Date 1/31/2021

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.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

ACGIH American Conference of Government Industrial Hygienists



LD50 Lethal Dose 50%  
AICS Australia, Inventory of Chemical Substances  
LOAEL Lowest Observed Adverse Effect Level  
DSL Canada, Domestic Substances List  
NFPA National Fire Protection Agency  
NDSL Canada, Non-Domestic Substances List  
NIOSH National Institute for Occupational Safety & Health  
CNS Central Nervous System  
NTP National Toxicology Program  
CAS Chemical Abstract Service  
NZIoC New Zealand Inventory of Chemicals  
EC50 Effective Concentration  
NOAEL No Observable Adverse Effect Level  
EC50 Effective Concentration 50%  
NOEC No Observed Effect Concentration  
EGEST EOSCA Generic Exposure Scenario Tool  
OSHA Occupational Safety & Health Administration  
EOSCA European Oilfield Specialty Chemicals Association  
PEL Permissible Exposure Limit  
EINECS European Inventory of Existing Chemical Substances  
PICCS Philippines Inventory of Commercial Chemical Substances  
MAK Germany Maximum Concentration Values  
PRNT Presumed Not Toxic  
GHS Globally Harmonized System  
RCRA Resource Conservation Recovery Act  
>= Greater Than or Equal To  
STEL Short-term Exposure Limit  
IC50 Inhibition Concentration 50%  
SARA Superfund Amendments and Reauthorization Act.  
IARC International Agency for Research on Cancer  
TLV Threshold Limit Value  
IECSC Inventory of Existing Chemical Substances in China  
TWA Time Weighted Average  
ENCS Japan, Inventory of Existing and New Chemical Substances  
TSCA Toxic Substance Control Act  
KECI Korea, Existing Chemical Inventory  
UVCB Unknown or Variable Composition, Complex Reaction Products, and Biological Materials  
<= Less Than or Equal To  
WHMIS Workplace Hazardous Materials Information System  
LC50 Lethal Concentration 50%