

Safety Data Sheet

FORMULA 3020-F

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: FORMULA 3020-F
Chemical Name: Not Applicable
Description: See Section 3
Application Use: Organosilicon Antifoam

Revised Date: 5/14/2014

COMPANY IDENTIFICATION

PROASYS
318 HENDEL STREET
SHILLINGTON, PA 19607

PHONE NUMBER: (610) 775-1505

EMERGENCY PHONE NUMBERS

CHEMTREC (800) 424-9300
Outside USA: CHEMTREC COLLECT (703) 527-3887

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and Odor: A white emulsion with a mild characteristic odor

Immediate Concerns: Has not been determined for this product. Please refer to Section 3 and 8.

POTENTIAL HEALTH EFFECTS

Acute Eye Effects: May cause irritation and redness or burning. Especially after prolonged or repeated contact.

Acute Skin Effects: Prolonged contact may cause mild irritation.

Acute Inhalation Effects: Not a likely route of exposure. Effects unknown.

Acute Ingestion Effects: May be harmful if swallowed. Do not take internally.

Chronic Effects from Repeated Overexposure: Other than short term effects, none established.

Medical Conditions Aggravated by Exposure:

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL INGREDIENTS	CAS NO.*	PERCENT (%)
No Reportable Ingredients		L

*Exposure limit and regulatory information in Sections 8 & 15

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush with clean, cool water for 15 minutes and if irritation persists, get medical attention.

Skin Contact: Flush skin with plenty of water while removing contaminated clothing and shoes. Wash with soap and water. If irritation persists, get medical attention. Launder contaminated clothing before reuse.

Inhalation: No adverse effects anticipated by this route of exposure. If effects occur, remove patient to fresh air and give artificial respiration if required. Get medical attention.

Ingestion: No emergency care anticipated. If person is conscious, drink several glasses of water and induce vomiting by sticking a finger down the throat. Repeat until vomit is clear. Get immediate medical attention.

Note to Physician:

Other Comments: See Section 11.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point : None

Flammable Limits in Air: LFL – N.A. UFL – N.A.

Extinguishing Media: Any media suitable for the surrounding fire.

Special Fire Fighting Instructions: Firefighters should wear normal protective equipment. Self-contained breathing apparatus is recommended for confined areas.

Decomposition products/Unusual Hazards: Oxides of carbon and silicon may be released if water is evaporated by the heat of a fire. Acute overexposure may result in irritation of the respiratory tract.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill Containment and Clean-up Instructions:

Small spills may be flushed with copious quantities of water, preferably to a sanitary sewer or waste treatment facility. Larger spills may be absorbed in sawdust or other absorbent and sweepings disposed of in an approved landfill. The area may then be flushed with copious quantities of water. Floor may be slippery; use care to avoid falling.

Environmental Precautions: Avoid release of this product into the environment to prevent contamination of soil, sewers, natural waterways and/or groundwater. See Section 12 for Ecological Information.

SECTION 7 - HANDLING AND STORAGE

Handling and Storage:

Store in a cool dry place, between 10°C and 49°C. Keep containers tightly closed when not in use and follow all recommended safety precautions when handling the material. Do not store near heat or open flame.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls: Normal ventilation expected to be satisfactory

PERSONAL PROTECTION EQUIPMENT

Respiratory: Not normally required.

Eyes and Face: Chemical resistant goggles or face shield.

Hands and Skin: Chemical resistant rubber, neoprene latex or plastic

Other Protective Equipment: Eyewash station in area of use.

EXPOSURE GUIDELINES

Exposure Limits:

COMPONENT	TLV
N.A.	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>100°C (212°F)	Density (lb/gal):	8.33
Flash Point:	None	Specific Gravity(@22°C):	1.000-1.008
Percent Volatile:	>84	pH (undiluted):	3.5 - 5.0
Vapor Pressure:	N.A.	Freeze Point:	<0°C(32°F)
Vapor Density:	<1	Solubility in Water:	Dispersible
Evaporation Rate:	1.0	Viscosity:	400-1000

Appearance and Odor: A white emulsion with a mild characteristic odor

SECTION 10 - STABILITY AND REACTIVITY

Product Stability/Conditions to Avoid: Stable; Conditions to avoid: none known.

Incompatibility/Materials to Avoid: Concentrated acids or oxidizing agents.

Hazardous Decomposition Products: Oxides of carbon and silicon may be released if water is evaporated by the heat of a fire. Acute overexposure may result in irritation of the respiratory tract.

Hazardous Polymerization: Will not occur. Conditions to Avoid: none known.

SECTION 11 - TOXICOLOGY INFORMATION

ACUTE TOXICITY DATA

Ingestion Testing: None established for this product. Refer to Sections 2 and 3.

Skin Testing: None established for this product. Refer to Sections 2 and 3.

Inhalation Testing: None established for this product. Refer to Sections 2 and 3.

CHRONIC TOXICITY DATA

Sensitization Testing: None established for this product. Refer to Sections 2 and 3.

Other Testing: None established for this product. Refer to Sections 2 and 3.

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity Data:

Fathead Minnows (*Pimephales promelas*), 96 hr. LC50: > 16,000 mg/l

Algae (*Selenastrum capricornutum*) 96 hr. LOEC: >600 mg/l

Algae (*Selenastrum capricornutum*) 96 hr. NOEC: >300 mg/l

Daphnids (*Ceriodaphnia dubia*), 7 day LOEC: >150 mg/l

Daphnids (*Ceriodaphnia dubia*), 7 day NOEC: >75 mg/l

Product Fate Data: None established for this product.

Biodegradation Data: None established for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Small quantities may be diluted with water and flushed to a sanitary sewer. Larger quantities may be buried in an approved landfill. However, obey all federal, state or local regulations.

SECTION 14 - TRANSPORT INFORMATION

US DEPARTMENT OF TRANSPORTATION (DOT) INFORMATION

NOT REGULATED

VESSEL TRANSPORT (IMO/IMDG)

NOT REGULATED

SECTION 15 - REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA: YES
 CERCLA and/or SARA RQ: N.A.
 SARA Section 302 Hazard Class: N.A.
 SARA Section 311/312 Chemicals: N.A.
 SARA Section 313 Chemicals: N.A.

STATE REGULATIONS

California Proposition 65 Carcinogens: This material does not contain any chemicals known to the state of California to cause cancer.

California Proposition 65 Reproductive Toxins: 67-56-1 Methanol

Massachusetts Substance List: This material contains no listed components.

New Jersey Right-to-Know Hazardous Substance List: This material contains no listed components.

Pennsylvania Right-to-Know Hazardous Substance List: This material contains no listed components.

SECTION 16 - OTHER INFORMATION

HAZARD RATING SUMMARY

Hazard Rating System:	NFPA	CODE TRANSLATION
Health:	1	0 = Minimal Hazard
Flammability:	0	1 = Slight Hazard
Reactivity:	0	2 = Moderate Hazard
Special:		3 = Severe Hazard
		4 = Extreme Hazard

Other Precautions: This product has been designed for use in air washers and specific types of open, recirculating cooling water systems, selected process water systems, and waste water treatment plants. It should be used only in accordance with the instructions provided by the technical representative servicing the facility. It may not be used for the treatment of potable water. The product ingredients comply with FDA and USDA regulations for food contact applications such as fruit and vegetable washing, egg washing, hog and poultry scalding, and treatment of water used in cooking or cooling filled cans.

MSDS REVISION SUMMARY

Revised Date	Revision Notes
5/14/2014	Supersedes: 1/29/13

ABBREVIATION CODE SUMMARY

- N.A. – Not Applicable
- N/A – Not Available
- N.D. – Not Determined
- N.E. – None Established