



## SAFETY DATA SHEET (GHS)

### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product / Chemical Name:**

BLUE BEAR® 670AF Antifouling Paint Remover

**Other Means Of Identification:**

Boat bottom coating remover

**Recommended Use Of The Product / Chemical And Restrictions On Use:**

Removal of anti-fouling paints and boat bottom paints

**Manufacturer / Company Information:**

Franmar Chemical, Inc.  
10282 E. 1400 North Rd.  
Bloomington, IL 61705  
1-800-538-5069 / 1-309-828-2900

**For Chemical Emergency - Spill, Leak, Fire, Exposure, or Accident Call:**

CHEMTREC Day or Night: Within USA and Canada: 1-800-424-9300  
CCN717946 or +1 703-527-3887 (collect calls accepted)

Health:  
Flammability:  
Reactivity:  
Special: 0

**NFPA HAZARD RATING**  
4 - Extreme  
3 - High  
2 - Moderate  
1 - Slight  
0 - Insignificant

### Section 2: HAZARD IDENTIFICATION

**Classification Of Product / Chemical Mixture And Any National or Regional Information:**

Eye Irritation 2A, Skin Irritant 2A, Reproductive Toxicity 1B



DANGER



DANGER

**GHS Hazard Statements:**

- (H315) Causes skin irritation.
- (H319) Causes serious eye irritation.
- (H335) May cause respiratory irritation or may cause drowsiness and dizziness.
- (H360) May damage fertility or the unborn child if ingested.
- (H302) May be harmful if swallowed.

**GHS Precautionary Statements:**

- (P102) - Keep out of reach of children
- (P103) - Read label before use
- (P340+314) - If Inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a doctor/physician if you feel unwell.
- (P362+P363+P337+P313) - If on skin: wash with plenty of soap and water. Take off contaminated clothing and wash contaminated clothing before reuse. If skin irritation occurs seek medical advice/attention.
- (P351+P335) If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
- (P330+P331+P312) - If Swallowed: Rinse mouth. Do not induce vomiting. Call a doctor if you feel unwell.

**Other Hazards Which Do Not Result In Classification:**

Preexisting skin disorders generally aggravated by exposure.



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### Section 3: COMPOSITION, INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Percent</u>
N-Methyl Pyrrolidone	872-50-4	45-52%
Dibasic Ester - LVP	627-93-0/1119-40-0	40-45%
Soy Ester	67784-80-9	2-9%
Proprietary Surfactant Blend		1-5%

#### Other Chemical Information:

Specific data not available.

### Section 4: FIRST AID MEASURES

#### Necessary Measures For Routes Of Exposure:

##### **If Inhaled:**

Remove to fresh air and keep at rest in a position comfortable for breathing. Call a doctor/physician if you feel unwell.

##### **If on Skin:**

Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs seek medical advice/attention.

##### **If in Eyes:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

##### **If Swallowed:**

Call a doctor/physician if you feel unwell.

#### Important Symptoms/Effects, Acute and Delayed:

Specific data not available.

#### Immediate Medical Attention And Special Treatment Needed:

Specific data not available.



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### Section 5: FIRE FIGHTING MEASURES

**Suitable (and unsuitable) Extinguishing Media:**

Dry chemical, CO<sub>2</sub>, Water spray or Foam.

**Hazards Arising From The Product/Chemical (e.g., nature of any hazardous combustion products):**

None known.

**Special Fire Fighting Procedures:**

Use water spray to cool containers.

### Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Butyl rubber gloves and eye protection. If using in poorly ventilated or confined spaces, use a NIOSH approved Organic Vapor respirator.

**Environmental Precautions:**

Specific data not available.

**Methods and Materials for Containment and Cleaning Up:**

Contain the spill and hold for disposal.

### Section 7: HANDLING AND STORAGE

**Precautions For Safe Handling:**

Keep out of reach of children. Read label before use.

**Conditions For Safe Storage, Including Any Incompatibilities:**

Specific data not available.



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### Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Control Parameters, e.g., Occupational Exposure Limit Values or Biological Limit Values:**

Specific data not available.

**Appropriate Engineering Controls:**

Not required. Mechanical generally sufficient.

**Individual Protective Measures, Such As Personal Protective Equipment:**

Neoprene or equivalent gloves, chemical goggles. Avoid eye and skin contact.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Gold/Yellow color, heavy viscosity liquid	Flammability (solid, gas):	1
Odor:	Mild odor	Upper/Lower Flammability or Explosive Limits:	N/A
Odor Threshold:	N/A	Vapor Pressure:	< .5 mmHg @ 20°C
pH:	8.1	Vapor Density:	N/A
Freezing / Melting Point:	Below 32°F	Relative Density:	N/A
Boiling Point and Boiling Range:	Above 300°F	Partition Coefficient (n-octanol/water):	N/A
Flash Point:	Above 200°F (PMcc)	Autoignition Temperature:	> 500°F
Evaporation Rate:	Less than 1 (n-butyl acetate=1)	Decomposition Temperature:	N/A
Solubility:	Emulsifiable	VOC:	49.5%, 578.96 g/L, 4.84 lbs/gal



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### Section 10: STABILITY AND REACTIVITY

**Chemical Stability:**

Stable

**Possibility Of Hazardous Reactions:**

Will not occur.

**Conditions To Avoid (e.g., static discharge, shock or vibration):**

Strong oxidizing agents.

**Incompatible Materials:**

Specific data not available.

**Hazardous Decomposition Products:**

Produces carbon monoxide and carbon dioxide on combustion.

### Section 11: TOXICOLOGICAL INFORMATION

**Information On The Likely Routes Of Exposure (inhalation, ingestion, skin and eye contact):**

SKIN: (H315) Causes skin irritation.

EYE: (H319) Causes serious eye irritation.

INHALATION: (H335) May cause respiratory irritation or may cause drowsiness and dizziness.

INGESTION: (H302) May be harmful if swallowed.

(H360) May damage fertility or the unborn child if ingested.

**Symptoms Related To The Physical, Chemical and Toxicological Characteristics:**

This product contains a chemical (N-Methyl-2-Pyrrolidone) known to the state of California to cause birth defects or other reproductive harm.

Temporary blurred vision has been reported with inhalation, skin and eye contact.



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### **Delayed and Immediate Effects and Also Chronic Effects From Short- and Long-Term Exposure:**

Results from a number of long-term carcinogenicity studies and short-term tests are available. Taking into account all of the information, there is no indication that the substance itself is carcinogenic.

### **Numerical Measures Of Toxicity (such as acute toxicity estimates):**

Oral: LD50/mouse: 5,270 mg/kg. Slightly toxic.

Inhalation: LC50/rat: >5.1 mg/L / 4h.

Inhalation-risk test (IRT): No mortality within 8 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard.

Dermal: LD50/rabbit: 4,000 - 8,000 mg/kg. Moderately Toxic.

Eye irritation: rabbit: Irritant. (Vendor-Test)

Sensitization: Skin sensitizing effects were not observed in animal studies. Literature data.

## Section 12: ECOLOGICAL INFORMATION

### **Ecotoxicity (aquatic and terrestrial, where available):**

Acute and prolonged toxicity to fish: golden orfe/LC50 (96 h): >500 mg/L

Acute toxicity to aquatic invertebrates: Daphnia magna/EC50 (24 h): >1,000 mg/l

Toxicity to aquatic plants: green algae/EC50 (72 h): >500 mg/L

Toxicity to microorganisms: OECD Guideline 209 bacterium/EC20 (30 min): >600 mg/L

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

### **Persistence and Degradability:**

Chemical oxygen demand (COD): 1,600 mg/L

Biochemical oxygen demand (BOD): Incubation period 5 d: <2 mg/g

Absorbable organically-bound halogen (AOX): This product contains no organically-bound halogen.

### **Bioaccumulative Potential:**

Biodegradation:

Test method: OECD 301 E/92/69/EEC, C.4-B

Method of analysis: DOC reduction

Degree of elimination: >90%

Evaluation: Readily biodegradable.

### **Mobility In Soil:**

Not Determined

### **Other Adverse Effects:**

Not Determined



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### Section 13: DISPOSAL CONSIDERATIONS

#### Description Of Waste Residues and Information On Their Safe Handling and Methods Of Disposal, Including The Disposal Of Any Contaminated Packaging:

Dispose of in accordance with all existing local, state, and federal ordinances.

### Section 14: TRANSPORT INFORMATION

#### UN Number:

Non-Hazardous

#### UN Proper Shipping Name:

Not regulated

#### Transport Hazard Class(es):

Not classified as dangerous

#### Packing Group (if applicable):

Not classified as dangerous

#### Marine Pollutant (Yes/No):

Specific data not available.

#### Special Precautions Which User Needs To Be Aware Of / Or Comply With In Connection With Transport Or Conveyance Either Within Or Outside Their Premises:

Specific data not available.

### Section 15: REGULATORY INFORMATION

#### **SARA 302/304**

This product contains no known chemicals regulated under SARA 302/304.

#### **SARA 311/312**

Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 & 312:

#### **SARA 313**

This product contains the following chemicals subject to the reporting requirements of SARA Title III, Section 313 and 40 CFR 372: N-Methyl-Pyrrolidone (40%-45%) CAS# 872-50-4. This product may contain trace amounts of 1,4-Dioxane (<= .1%) CAS# 123-91-1

### Section 16: OTHER INFORMATION

#### **State Reporting**

This product can expose you to chemicals including N-Methyl Pyrrolidone, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

872-50-4 N-Methyl Pyrrolidone (December 11, 2009)

This product contains the following chemicals regulated by New Jersey's Worker and Community Right to Know Act:

872-50-4 N-Methyl Pyrrolidone 50-0-0 Formaldehyde

This product contains the following chemicals regulated by Massachusetts' Right to Know Law:

872-50-4 N-Methyl Pyrrolidone 50-0-0 Formaldehyde

This product contains the following chemicals regulated by Pennsylvania's Right to Know Act:

872-50-4 N-Methyl Pyrrolidone 50-0-0 Formaldehyde