



CR-420 Coatings

February 14, 2019

*****SAFETY DATA SHEET *****

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1. PRODUCT & COMPANY IDENTIFICATION

Product Name: CR-420 Coatings
Product Type: Compounded water based acrylic coating
Company Address:
The Gluefast Company, Inc.
3535 Route 66, Bldg. #1
Neptune, NJ 07753 USA
Phone 732-918-4600

2. HAZARDS IDENTIFICATION

Physical state: Liquid
Color: White
Odor: Styrene-acrylate May cause eye irritation

See Section 11 for complete health hazard information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients This material contains no ingredients requiring disclosure under regulatory hazard criteria for this jurisdiction. See Section 11 for additional details.

4. FIRST AID MEASURES

| | |
|-------------------|---|
| 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 attention. |
| Skin | Wash with soap and water. Get medical attention if irritation develops. |
| Inhalation | Remove exposed person to fresh air if adverse effects are observed. |
| Oral | Treat symptomatically. Get medical attention. |

5. FIRE FIGHTING MEASURES

| | |
|-------------------------------------|---|
| Flash Point | >=95 °C, 203 °F Test method unavailable (minimum) |
| Extinguishing Media | Water spray, dry chemical, foam. CO2 may be ineffective on large fires. |
| Firefighting Procedures | Wear full protective fire gear including self-containing breathing apparatus operated in the positive pressure mode with full face piece, coat, pants, gloves and boots. Water may cause splattering. |
| Unusual Fire & Explosion | Material will not burn until water has been evaporated. Container may rupture on heating. |
| Hazards | See section 10 for additional information. |



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6. ACCIDENTAL RELEASE MEASURES

Spill Procedures

Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Spilled liquid and dried film are slippery. Use care to avoid falls. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Wash spill area with soap and water

7. HANDLING AND STORAGE

Pumping Temperature

Not determined.

**Maximum Handling Temperature
Handling Procedures**

Ambient
Keep containers closed when not in use. Avoid eye contact. Avoid repeated or prolonged skin contact. When handling, do not eat, drink, or smoke. Avoid drinking, tasting, swallowing or ingesting this product. Stir well before use. Avoid breathing dust, fume, gas, mist, vapors or spray. Minimize contact with air to reduce contamination with mold, fungus, or other organisms which could cause decomposition or spoilage. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product. Dispose of packaging or containers in accordance with local, regional, national and international regulations.

**Maximum Storage Temperature
Storage Procedures**

5 – 30 °C, 41 – 86 °F
Keep from freezing. Keep container closed when not in use. Do not store in open, unlabeled or mislabeled containers. See Section 10 for incompatible materials.

Maximum Loading Temperatures

Not determined.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits
Other Exposure Limits
Engineering Controls**

None established
None known.
Use material in well ventilated area only. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.

Gloves Procedures

Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.

**Eye Protection
Respiratory Protection**

Safety Glasses.
Use NIOSHA/MSHA approved respirator with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Clothing Recommendation

No special clothing requirement.



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9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------|---|
| Flash point: | >=95 °C, 203 °F Test method unavailable (minimum) |
| Upper Flammable limit: | Not determined |
| Lower Flammable limit: | Not determined |
| Autoignition Point: | Not determined |
| Explosion Data: | Material does not have explosive properties. |
| Vapor pressure: | ~ 18 mm Hg (20 °C) |
| PH: | 7.9 - 8.7 |
| Specific gravity: | 1.03 (20 °C) |
| Bulk Density: | ~ 8.57 Lb/gal, ~ 1.03 Kg/L |
| Water Solubility: | Dispersible. |
| Percent Solid: | ~ 50% by Weight |
| Percent Volatile: | 49 – 51% by Weight |
| VOC content: | <0.15% (Estimated) |
| Vapor density: | < 1 Air = 1 |
| Evaporation rate: | < 1 Butyl acetate=1 |
| Odor: | Styrene-acrylate |
| Appearance: | White liquid. |
| Viscosity: | <5000 Centipoise (25 °C) |
| Odor threshold: | Not determined. |
| Boiling point: | ~ 100 °C ~ 212 °F (Typical) |
| Pour Point Temperature: | Not determined. |
| Melting / Freezing Point | ~ 0 °C, ~ 32 °F |

The above data are typical values and do not constitute a specification. Vapor pressure data are not calculated unless otherwise noted.

10. STABILITY AND REACTIVITY

| | |
|---------------------------|--|
| Stability | Material is normally stable at moderately elevated temperatures and pressures. |
| Decomposition Temperature | Not determined |
| Incompatibility | Acids. Bases. Strong oxidizing agents. |
| Polymerization | Will not occur |
| Thermal Decomposition | Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of the following elements will be formed: nitrogen, sulfur. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids. Nitrogen oxides. |
| Conditions to Avoid | Monomers. Acrylate monomers. Do not freeze. |



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11. TOXICOLOGICAL INFORMATION

- ACUTE EXPOSURE -

- Eye Irritation** May cause eye irritation. Does not meet Canadian D2B or EU R36 criteria. Based on data from components or similar materials. Vapors formed from heating may cause eye irritation.
- Skin Irritation** Not expected to be a primary skin irritant. Based on data from similar materials. Repeated or prolonged skin contact may cause irritation.
- Respiratory Irritation** If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.
- Dermal Toxicity** The LD50 in rabbits is >2000 mg/Kg. Based on data from components or similar materials.
- Inhalation Toxicity** Overexposure to vapors or mist may cause dizziness, headache, nausea, and/or flu-like symptoms. Avoid inhalation of mists or vapors.
- Oral Toxicity** The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials. Ingestion of this material may cause gastrointestinal irritation.
- Dermal Sensitization** No data available to indicate product or components may be a skin sensitizer.
- Inhalation Sensitization** No data available to indicate product or components may be respiratory sensitizers.

- CRONIC EXPOSURE -

- Chronic Toxicity** No data available to indicate product or components present at greater than 1% are chronic health hazards.
- Carcinogenicity** No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
- Mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
- Reproductive Toxicity** No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
- Teratogenicity** No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

- ADDITIONAL INFORMATION -

- Other** Pre-existing skin conditions may be aggravated by prolonged or repeated exposure. Persons with sensitive airways (e.g. asthmatics) may react to vapors.



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12. ECOLOGICAL INFORMATION

- ENVIRONMENTAL TOXICITY -

| | |
|--|----------------|
| Freshwater Fish Toxicity | Not determined |
| Freshwater Invertebrates Toxicity | Not determined |
| Algal Inhibition | Not determined |
| Saltwater Fish Toxicity | Not determined |
| Saltwater Invertebrates Toxicity | Not determined |
| Bacteria Toxicity | Not determined |
| Miscellaneous Toxicity | Not determined |

- ENVIRONMENTAL FATE -

| | |
|------------------------|---|
| Biodegradation | Adequate data is not available to estimate the biodegradation potential of this material. |
| Bioaccumulation | Less than 1.0% of the components potentially bioconcentrate, based on octanol/water coefficients. |
| Soil Mobility | Not determined |

13. Disposal Considerations

| | |
|-----------------------|--|
| Waste Disposal | This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. |
|-----------------------|--|

14. Transport Information

| | |
|------------------------------------|----------------|
| ICAO/IATA I | Not regulated |
| ICAO/IATA II | Not regulated |
| IMDG | Not regulated |
| IMDG EMS Fire | Not applicable |
| IMDG EMS Spill | Not applicable |
| IMDG MFAG | Not applicable |
| MARPOL Annex II | Not determined |
| USCG Compatibility | Not determined |
| U.S. DOT Bulk | Not regulated |
| DOT NAERG | Not applicable |
| U.S. DOT (Intermediate) | Not regulated |
| U.S. DOT Intermediate NAERG | Not applicable |



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|--------------------------------|-----------------------|
| U.S. DOT Non-Bulk | Not regulated |
| U.S. DOT Non-Bulk NAERG | Not applicable |
| Canada | Not regulated |
| Mexico | Not regulated |
| Bulk Quantity | 85000 KG, 187391 lbs. |
| Intermediate Quantity | 11000 KG, 24251 lbs. |
| Non-Bulk Quantity | 400 KG, 882 lbs. |

Review classification requirements before shipping materials at elevated temperatures.

15. Regulatory Information - Global Chemical Inventories –

USA - This product is on the TSCA inventory. When used as a biocide it is regulated under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). This product is not FIFRA registered.

Other TSCA Reg. - None known.

Canada - All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

California Prop. 65 – This product may contain chemical(s) known to the state of California to cause cancer and/or birth defects. - **For additional information please contact The Gluefast Co Inc at: info@gluefast.com.**

Product Registrations – Not applicable – Not registered

16. OTHER INFORMATION

US NFPA Codes

| Health | Fire | Reactivity | Special |
|--------|------|------------|---------|
| 1 | 1 | 0 | N/E |

(N/E) – None established

HMIS Codes

| Health | Fire | Reactivity |
|--------|------|------------|
| 1 | 1 | 0 |

This safety data sheet contains changes from the previous version in sections:
New Safety Data Sheet format.

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to The Gluefast Company from its suppliers, and because The Gluefast Company has no control over the conditions of handling and use, The Gluefast Company makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information supplied solely for your information and consideration and the The Gluefast Company assumes no responsibility for use or reliance thereon. It is the responsibility of the user of The Gluefast Company Products to comply with all federal, state and local laws and regulations.