

SAFETY DATA SHEET



Date Issued : 3/12/2014
SDS No : 125910

Microballoons, Phenolic

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Microballoons, Phenolic
GENERAL USE: Filler
PRODUCT CODE: 125910

MANUFACTURER

Fiberglass Coatings Inc.
4301A 34th Street North
St. Petersburg, FL 33714
Customer Service: (800) 272-7890
E-Mail: www.fgci.com
Emergency Contact: Chem-Tel
Emergency Phone: (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Harmful if inhaled

GHS LABEL

Harmful



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H320: Causes eye irritation.
H316: Causes mild skin irritation.
H370: Causes damage to organs.
H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENT(S)

General:

P261: Avoid breathing fumes, dust, vapors, gases, or spray.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Red brown, fine powder

IMMEDIATE CONCERNS: Excessive dust inhalation can cause respiratory tract irritation. Dust can cause eye irritation.

POTENTIAL HEALTH EFFECTS

EYES: Can cause mild eye irritation. Symptoms include: redness, tearing, stinging.

SKIN: Avoid skin contact. Minimal risk during normal use.

INGESTION: Minimal risk from ingestion during normal industrial use.

INHALATION: Dust may be slightly irritating to eyes and respiratory tracts.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Phenolic resin	100	9003-35-4

COMMENTS: The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water and continue for several minutes. Obtain medical attention if discomfort persists.

SKIN: Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists. Wash clothing before reuse.

INGESTION: Do not induce vomiting unless instructed to do so by medical personnel. Unless unconscious, give victim lots of water. Obtain medical attention.

INHALATION: If signs and symptoms develop, remove person to fresh air. If signs or symptoms persist, obtain medical attention.

NOTES TO PHYSICIAN: There is no specific antidote. Treatment or overexposure should be directed at the control of the symptoms and the clinical condition of the patient

COMMENTS: Effects of a single exposure: May cause irritation, experienced as stinging with excessive blinking and tear production.

Effects of repeated exposure Material may contain trace amount (<0.001%) of free formaldehyde, which is listed by • IARC, NTP and OSHA as a carcinogen. There should be minimal risk when adequate ventilation is used due to the very low formaldehyde concentration

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: May be combustible at high temperature

EXTINGUISHING MEDIA: Use dry chemical, CO₂, water spray/fog (not jet), or foam

EXPLOSION HAZARDS: Dusts at sufficient concentrations can form explosive mixtures with air.

FIRE FIGHTING PROCEDURES: Evacuate any non-essential personnel. Extinguish all ignition sources if safe to do so. Use water to cool exposed containers and structures until fire is out. Avoid spreading burning material with water used for cooling purposes.

FIRE FIGHTING EQUIPMENT: Firefighters should wear full protective clothing including self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Ventilate with fresh air. Collect as much of the spilled material as possible. Use wet sweeping or water to avoid dusting. Collect and place in a closed container. Dispose as approved by your State Regulations.

LARGE SPILL: Follow procedure for small spills. Follow federal, state, and local regulations for disposal.

GENERAL PROCEDURES: Always ensure proper ventilation from any spill. Respirators or SCBA are required if permissible exposure limits are exceeded due to inadequate general ventilation. All spills should be contained as best as possible. All chemical spills should be assumed to be hazardous to the environment to ensure safety.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: For industrial and professional use only. Avoid dispersion of dust in air. Electrically bond and ground equipment. Avoid sparks and flame under dust conditions. Use with adequate ventilation.

HANDLING: Special, local ventilation is recommended in areas where containers are opened and their containers are discharged or in any areas where dusting conditions may occur.

STORAGE: Store in a cool, dry, well-ventilated area, away from any sources of ignition and incompatible materials. Keep all equipment grounded to avoid static sparking. Keep container closed when not being used.

STORAGE TEMPERATURE: Store below 35 C.

COMMENTS: [Caution] May undergo spontaneous smouldering if stored or heated in bulk above 35C under conditions allowing air ingress to the product.

Do not store in the sun.

Do not dry in package — use special drying Instructions as below.

Microspheres will undergo oxidation at elevated temperatures. Due to the microspheres' excellent insulating characteristics, the internal temperature of the mass can increase to the point where spontaneous ignition and smouldering can occur. The temperature at which this occurs is a function of the geometry, amount of material being heated and available oxygen. Smouldering appears as a soft glow similar to burning charcoal.

Drying instructions for the Phenoset microspheres:

To reduce the moisture content of this product to less than 4%, dry a two-inch layer of the product at a maximum temperature of 75C for 24 hours. To prevent oven or product contamination, the metal drying tray should be covered with a cloth that will allow the product moisture to evaporate.

Keep container closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits (PEL/TLV). Any installed emergency eye wash station or safety showers should be located near the work area.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles and/or face shield. Always use proper eye protection around the work area.

SKIN: Wear impermeable gloves. Clothing should limit skin exposure. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product. Maintain eyewash and shower station near work area in case of exposure.

RESPIRATORY: Dust respirator should be used for heavy use producing dust. Be sure to use a OSHA/NIOSH approved respirator or equivalent.

WORK HYGIENIC PRACTICES: Never eat or drink in areas where the chemical is being used. Wash hands after handling to limit exposure.

COMMENTS: No exposure limit has been established.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid.

ODOR: Odorless.

APPEARANCE: Red brown, fine powder.

pH: N/A = Not Applicable

PERCENT VOLATILE: No data available.

FLASH POINT AND METHOD: No data available.

FLAMMABLE LIMITS: No data available.

AUTOIGNITION TEMPERATURE: 500°C (932°F)

VAPOR PRESSURE: No data available.

VAPOR DENSITY: No data available.

BOILING POINT: N/A = Not Applicable

MELTING POINT: N/A = Not Applicable

SOLUBILITY IN WATER: Insoluble.

EVAPORATION RATE: No data available.

SPECIFIC GRAVITY: No data available.

VISCOSITY: No data available.

(VOC): No data available.

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid all unplanned contact.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, formaldehyde and phenol derivatives upon decomposition.

INCOMPATIBLE MATERIALS: Strong acids and base, halogens, acyl halides

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: Effects from ingestion: Gastrointestinal irritation.

INHALATION LC₅₀: Upper respiratory tract Irritation — signs/symptoms may include sneezing, cough, and nasal discharge.

NOTES: No Data Available. No expected issues from normal exposure. Always seek medical advice in the event of accidental exposure.

EYE EFFECTS: Mechanical eye irritation. Signs and symptoms may include pain, redness and tears.

SKIN EFFECTS: Mechanical skin irritation. May result in itching.

CARCINOGENICITY

Notes: Formaldehyde has been shown to cause cancer in laboratory animals and mutations in a variety of in-vitro test systems. The relevance of these findings for human is unknown. Formaldehyde is listed as a carcinogen by IARC, NTP and OSHA.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Environmental studies have not been performed for this mixture.

ECOTOXICOLOGICAL INFORMATION: No data are available on this product. No specific adverse effects known.

BIOACCUMULATION/ACCUMULATION: None known.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be in accordance with all Federal, State, and local regulations. Empty containers may still be considered dangerous due to residual vapors/liquid/dust.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Not Regulated by DOT

AIR (ICAO/IATA)

SHIPPING NAME: Not Regulated

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Regulated

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

311/312 HAZARD CATEGORIES: Acute Health Hazard

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All items are TSCA listed

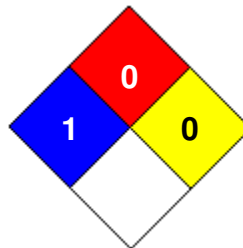
OSHA HAZARD COMM. RULE: This product is not considered hazardous as defined by OSHA 29CFR, part 1910.1200

16. OTHER INFORMATION

PREPARED BY: BC

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES

HMIS RATINGS NOTES: The customer is responsible for determining the PPE code for this material.

MANUFACTURER DISCLAIMER: This information is compiled from sources believed reliable as of the date of issue, it is provided in good faith and correct to the best of our knowledge. No warranty, guarantee, or representation is made as to the sufficiency of

the information for the safe use of the product nor to relieve the end user of their own Federal, State, and local regulatory compliance requirements.