

SAFETY DATA SHEET

SECTION 1: Identification

Product Name: FORM #846 714 A COMP Product Code: 846 714 A

Trade Name: 714 PART A

EMERGENCY PHONE: PERS 1-800-633-8253

MANUFACTURER:

Madewell Products Corporation
7561 Industrial Court
Alpharetta GA 30004
Phone: (770) 475-8199

SECTION 2: Hazard(s) Identification

GHS Ratings:

Flammable liquid

3

Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F)

GHS Hazards

H226

Flammable liquid and vapour

GHS Precautions

P210

Keep away from heat/sparks/open flames/hot surfaces – No smoking

P233

Keep container tightly closed

P240

Ground/bond container and receiving equipment

P241

Use explosion-proof electrical/ventilating/light/.../equipment

P242

Use only non-sparking tools

P243

Take precautionary measures against static discharge

P280

Wear protective gloves/protective clothing/eye protection/face protection

P303+P361+P353

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P370+P378

In case of fire: Use ... for extinction

P403+P235

Store in a well ventilated place. Keep cool

P501

Dispose of contents/container to ...

Signal Word: Warning

SECTION 3: Composition/Information on Ingredients

| Chemical Name | CAS number | Weight Concentration % |
|------------------|------------|------------------------|
| GLASS FLAKE | 65997-17-3 | 10.00% - 20.00% |
| TITANIUM DIOXIDE | 13463-67-7 | 5.00% - 10.00% |

SECTION 4: First Aid Measures

INHALATION: Move person to fresh air and keep at rest in a position for breathing: if breathing is irregular, provide artificial respiration; if there are breathing difficulties, administer oxygen; get medical attention.

EYE CONTACT: Bathe the eye with running water for at least 15 minutes, lifting upper and lower eyelids.

SKIN CONTACT: Rinse immediately with plenty of water: remove contaminated clothing; wash thoroughly with soap and waer for at least 15 minutes. If irritation, rash or other adverse effects develop, get medical attention immediately.

INGESTION: Do NOT induce vomiting unless advised by a physician. Rinse out mouth with water. Call nearest

Poison Control Center or physician immediately.

Most important symptoms and effects, both acute and delayed. Harmful in contact with skin, if swallowed or inhaled; can cause severe skin burns and eye damage; may cause an allergic skin reaction.

Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

Eye wash stations and emergency showers should be available.

SECTION 5: Fire Fighting Measures

Flash Point: 31 C (88 F)

LEL: N/A

UEL: N/A

Extinguishing Media

Carbon dioxide, alcohol resistant foam, dry chemical, water fog; use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media

High volume water jet

Special hazards arising from the substance or mixture

Product may ignite if heated in excess of its flash point. Vapors may travel to sources of ignition and flash back.

Vapor concentrations in enclosed areas may ignite explosively. Empty containers may contain ignitable vapors.

Exposure to decomposition products may be harmful to health; combustion products may include but are not limited to: carbon monoxide carbon dioxide, nitrogen oxides; the formation of hydrocarbon fragments is possible in the initial stages of fire; smoke may contain particles of the original material as well. Prevent fire-fighting waters from entering sewer or waterways.

Polymerization will take place under fire conditions. If polymerization occurs in a closed container, there is a possibility it will rupture violently. Cool storage container with water, if exposed to fire.

Hazardous combustion products: Hydrocarbons

carbon dioxide and carbon monoxide

toxic fumes

Advice for fire fighters: Use protective fire fighting clothing and positive pressure self contained breathing apparatus to protect against potential harmful and/or irritating fumes. Do not use high pressure water jet as this may spread the area of the fire.

Fire Equipment: Wear self-contained breathing apparatus

SECTION 6: Accidental Release Measures

Personal precautions

Isolate area: ensure adequate ventilation; remove all sources of ignition; use appropriate personal protection equipment. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions

Halt the flow of materials as soon as practical using appropriate barriers; turn containers leak-side up to stop the escape of liquid. Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches, waterways by using sand, earth or appropriate barriers.

Methods and material for containment and clean up

Soak up with sand, earth, diatomaceous earth or other suitable inert absorbent materials; collect into suitable waste disposal containers. Reuse uncontaminated material when possible. Wash spillage site with large amounts of water. Dispose of in accordance with applicable local and federal environmental control laws and regulations.

SECTION 7: Handling and Storage

Precautions for safe handling

Open drum carefully as content may be under pressure. Avoid formation of aerosol. Ensure adequate ventilation.

Prevent inhalation of vapor, ingestion, and contact with skin, eyes and clothing. Keep containers closed when not in use. Precautions apply to empty containers as well. Do not eat, drink, or smoke in the work area. Wash thoroughly after handling. Personal protective equipment must be worn during maintenance or repair of mixers, reactors or

other equipment containing the material.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry area with adequate ventilation. Do not store with strong oxidizing agents. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8: Exposure Controls/Personal Protection

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|--------------------------------|----------------------|-----------------------|-----------------------|
| GLASS FLAKE 65997-17-3 | Not Established | Not Established | Not Established |
| TITANIUM DIOXIDE 13463-67-7 | TWA 15 MG/M3 | TWA 10MG/M3 | Not Established |

Engineering controls:

Follow good industrial workplace practices; do not eat, drink or smoke while handling; wash hands before breaks and at end of workshift; follow recommendations in this SDS.

Environmental exposure controls

Observe all precautions to prevent contamination of soil and waterways.

Eye/face protection

Wear tight-fitting chemical safety goggles and/or face shield to prevent eye contact.

Skin protection

Wear impervious clothing as necessary to protect against product contact. Necessity for boots, apron, face shield, etc. will be dependent on any hazards presented in the work process.

Respiratory protection

Respiratory protection is required wherever exposure limits are exceeded; use a NIOSH approved organic vapor cartridge respirator following the guidelines of an established respiratory protection program in compliance with 29CFR1910.134

Hand protection

Use suitable impervious neoprene or nitrile rubber gloves. When prolonged or frequently repeated contact may occur, glove material should have a breakthrough time that exceeds 480 minutes; when only brief contact is expected, a glove with a lesser breakthrough rating may be suitable.

Other protective equipment

The type and degree of personal protective equipment appropriate will depend on the specific work operation. Eye wash stations and emergency shower should be available. Inspect and replace personal protective equipment at regular intervals; use professional care in their selection, use and care

SECTION 9: Physical and Chemical Properties

PHYSICAL STATE: LIQUID

pH: No data available

RELATIVE EVAPORATION RATE: No data available

MELTING POINT: Not determined

BOILING POINT: 145C/293F

FLASH POINT: 84.9F/29.4C (cc)

AUTO IGNITION TEMPERATURE: Not determined

DECOMPOSITION TEMPERATURE: Not determined

VAPOUR PRESSURE: Not determined

RELATIVE VAPOUR DENSITY: 3.6

DENSITY: 11.1LBS/GAL

SOLUBILITY: Insoluble

EXPLOSIVE PROPERTIES: Not determined

OXIDISING PROPERTIES: Not determined

Boiling Range 2230 to 5000 °C

SECTION 10: STABILITY AND REACTIVITY

STABLE

Reactivity: No dangerous reaction is known under normal use and storage conditions.

Stability: Stable under normal use and storage conditions.

Possibility of hazardous reactions: Hazardous polymerisation may occur. Vapours may form explosive mixture with air. This product does not present a dust explosion hazard as delivered. However, fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard.

Conditions to avoid: Heat, flames, and sparks. Excessive heat. Direct sources of heat. Exposure to air and sunlight.

Incompatible materials: Acids, aluminum, aluminum chloride, amines, bases, copper, copper alloys, halogens, iron chloride, metal salts, oxidizing agents, peroxides.

Hazardous decomposition products: Thermal decomposition will generate carbon monoxide, carbon dioxide and nitrogen oxides.

Hazardous polymerization will not occur.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute Oral Toxicity: LD50(rat):> 2000 mg/kg

Acute Dermal Toxicity: LD50(rabbit): >2000 mg/kg

Acute Inhalation Toxicity: LD50 (Rat): 1.8 mg/l, 2770 ppm Exposure time: 4h Test atmosphere: vapour. No observed adverse effect level (Humans): 100 ppm Exposure time 7 h Test atmosphere: vapour

Skin Corrosion/Irritation: Causes skin irritation

Serious Eye Damage/Irritation: Causes serious eye irritation

Skin Sensitization): Not classified based on available information. May cause an allergic skin reaction.

Germ cell Mutagenicity: Not classified as mutagenic.

Carcinogenicity: Not classified as carcinogenic. Not listed by OSHA/NTP/IARC.

Reproductive Toxicity: Not classified as reproductive toxin.

Specific Target Organ Toxicity - single exposure: Product not classified based on available data.

Specific Target Organ Toxicity - repeated exposure: Product not classified based on available data.

Aspiration Hazard: Possible aspiration hazard (alkaline).

Potential Health Effects:

Skin Contact: Corrosive; harmful in contact with skin; may cause itching, reddening, inflammation. May cause severe burns, blistering and skin damage; may cause an allergic reaction.

Eye Contact: Contact with vapors or liquid may cause tearing, blurred vision, severe irritation, possible chemical burns and corneal injury.

Ingestion: Harmful if swallowed; can cause severe and permanent damage to mouth, throat and stomach, may cause injury to the liver and kidneys.

Inhalation: harmful if inhaled; can cause moderate to severe irritation of the respiratory tract.

Chronic Health Effects:

May cause sensitization by contact. Prolonged skin contact may cause irritation, rash, burns or dermatitis; repeated overexposure to vapors and/or liquid may injure the liver, kidneys and respiratory system. May aggravate individuals sensitized to amines.

Mixture Toxicity

Component Toxicity

Effects of Overexposure

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u> |
|-------------------|--------------------|-----------------|--------------------------|
| None | | | N/A |

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity

Acute/prolonged toxicity to fish:LC50(Lepomis macrochirus)(96-hr): 4.02 mg/l

Acute/prolonged toxicity to aquatic invertebrates: EC50 (Daphnia magna)(48-hr): 35 mg/l (ATE)

Acute/prolonged toxicity to aquatic plants: EC50(72-hr): >50 mg/l (ATE)

Toxicity to bacteria, to soil dwelling organisms and to terrestrial plants: No data available

Chronic toxicity to aquatic organisms: No data available

General effect: Harmful to aquatic life with long lasting effects.

Persistence and degradability: Not expected to be readily biodegradable

Bioaccumulative potential: One or more products components has a low potential to bioaccumulate

Mobility in soil: No data available; do not allow product to enter soil/subsoil

Results of PBT and vPvB assessment (EC reg. 453/2010): Product not classified as Persistent, Bioaccumulative and Toxic

Product not classified as very Persistent or very Bioaccumulative

Other adverse effects: No other adverse effects are identified

Component Ecotoxicity

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal: Do not dump to ground, sewers or watercourses. Incinerate or otherwise dispose of in compliance with all applicable federal, state and local environmental control laws and regulations. Waste characterization according to RCRA guidelines and compliance with applicable laws are the responsibility solely of the waste generator. Send waste to a licensed waste management company.

Container Disposal: Containers should be drained of all residual product prior to disposal. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Do not burn, or use a cutting torch on the empty drum.

SECTION 14 - TRANSPORT INFORMATION

DOT, IMDG, AND IATA Proper Shipping Description: UN1866, RESIN SOLUTION, 3, PG III

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------|------------------|----------------------|---------------------|
|---------------|-----------------------------|------------------|----------------------|---------------------|

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Title III Section 311/312 (40CFR370): Reactivity hazard, acute health hazard, fire hazard, chronic health hazard.

SARA Title III Section 313 (40CFR372): Styrene 100-42-5 10-20%

CERCLA Status (40CFR302): Styrene 100-42-5 Component RQ 1000 lbs.

OSHA/NTP/IARC Carcinogen Status: WARNING This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Benzene 71-43-2

TSCA Inventory Status: Reported/included

Chemicals known to the state of California to cause cancer or reproductive toxicity: Benzene 71-43-2

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

⚠ WARNING: This product can expose you to CARBON BLACK, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Country

Regulation

All Components Listed

SECTION 16 - OTHER INFORMATION

HMIS ratings:

Health: 2*

Flammability: 3

Physical hazard: 2

Hazardous Material Information System (HMIS)

| | | |
|---------------------|--------------------------------|---|
| HEALTH | <input type="text" value="0"/> | HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH |
| FLAMMABILITY | <input type="text" value="0"/> | |
| PHYSICAL HAZARD | <input type="text" value="0"/> | |
| PERSONAL PROTECTION | <input type="text"/> | |

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Reviewer Revision

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