

COATINGS & ADHESIVES CORPORATION

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HMIS
Health 2
Flammability 1
Reactivity 2
Personal Protection B

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

Product Name: 5389C
Chemical Family: Energy - Curable Coatings
Date Prepared: August 8, 2013
Prepared by: Joe Chiaramonte
Telephone Number: 910-371-3184
Emergency Phone Number: 910-371-3184 or CHEMTREC 800-424-9300

SECTION 2 - HAZARDOUS AND OTHER INGREDIENTS

Bisphenol A Epoxy Diacrylate	CAS No. 55818-57-0	20 - 30%
Tripropylene Glycol Diacrylate Esters	CAS No. 42978-66-5	5 - 15%
Trimethylolpropane Triacrylate	CAS No. 15625-89-5	20 - 30%
1,6 Hexanediol Diacrylate	CAS No. 13048-33-4	1 - 5 %
Benzophenone	CAS No. 119-61-9	12%

Benzophenone is listed on the State of California Prop 65 List of Hazardous Ingredients refer to Section 11.7 for additional information

The above chemicals are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 (40CFR372)

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: >100 °C	Solubility in water: Not soluble in water
Vapor Pressure: Low, because of its high boiling point	Appearance and odor: Clear liquid with typical acrylate odor
Vapor Density: Not applicable	
Percent volatile by weight: 0%	Specific Gravity: 1.2 - 1.3
Flash Point: >100 °C	Evaporation Rate: Not applicable
Extinguishing Media: Fire should be fought with dry chemical, foam or carbon dioxide extinguishers.	Flammable Limits: Not applicable

Special Fire Fighting Procedures: Fire Fighters and others who may be exposed to the products of combustion should be equipped with self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: None

SECTION 4 - VOC INFORMATION

VOC : <1% Method D5402-93 Method B lbs/gallon	Weight per gallon: 9.0 - 9.1 lbs/gal.
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SECTION 5 - PHYSICAL HAZARDS

Stability: Unstable () Stable (x)

Conditions to avoid: high temperatures, localized heat sources (drum heaters), freezing and direct sunlight. Strong oxidizing agents

Incompatibility: Strong Oxidizers

Hazardous Decomposition or Byproducts: Carbon Monoxide plus various acrid side products

Hazardous Polymerization: May occur (x)
Will not occur ()

SECTION 6 - HEALTH HAZARDS

Route(s) of Entry: Inhalation - NO Skin - YES Ingestion - YES

Health Hazards: Eye contact may cause irritation. Repeated skin contact may also cause irritation.

Carcinogenicity: None NTP? - No IARC Monographs - No OSHA Regulated - No

Signs and Systems of Exposure: Redness of the affected area

Medical Conditions Generally Aggravated by Exposure: None known

EMERGENCY FIRST AID PROCEDURES

1. Inhalation of fumes: Move to fresh air
2. Eye contact: Flush with large amounts of water and get medical attention if irritation persists
3. Ingestion: Get medical assistance
4. Skin contact: Wash thoroughly with soap and water

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled:

Dike material with absorbent to stop spreading. Prevent leakage into waterways. Mop up small spills immediately. The wet and dried coating may present a slip hazard.

Waste disposal methods: Non contaminated, inhibited material is not a RCRA hazardous waste. However, contaminated material, soil, water, ink, cleaning solvents etc. may be RCRA/OSHA hazardous waste due to potential for internal heat generation (see 40 CFR 261 and 20CFR 1910). It is the responsibility of the generator to determine at the time of disposal whether the material meets the criteria of hazardous waste. Dispose of in accordance with Federal, State and local regulations. Use registered transporters. Disposal options include land filling solids at permitted sites, fuel blending or incineration. This material is not a DOT Regulated substance. This material contains an inhibitor (HQ, MEHQ, etc) at <1%. The type and amount meets product specification for disposal.

Precautions to be taken in handling and storage: Prevent from freezing or expose product to excessive heat over 140F to avoid shortening product shelf life. Observe all appropriate local regulations.

SECTION 8 - CONTROL MEASURES

Respiratory Protection: Not generally needed with normal use

Ventilation - Local Exhaust: Preferable Special: None
Mechanical: Preferable Other: None

Protective Gloves - Use neoprene or rubber

Eye Protection - Use splash proof goggles

Other Protective Clothing or Equipment - None

Work/Hygienic Practices - Use good work practices to avoid contact and spillage.

SECTION 9 - Regulatory Information

DOT: This product is not regulated by the DOT.

TSCA: All ingredients are listed on the US EPA TSCA list.

Section 10 - Spill and Disposal

Precautions if material is spilled or released

Spilled or released materials may polymerize. Extinguish all ignition sources and ventilate area. Wear protective equipment during clean-up. Dike and recover spill. Soak up small spill with inert solids such as vermiculate, clay and shovel into suitable closed containers. Wash spill area with a strong detergent and water solution; rinse with water but minimize water use during clean-up. For spills on water, contain, minimize dispersion and collect. Dispose of in conjunction with local and state requirements.

Waste Disposal Methods

Non-contaminate, properly inhibited material is not a RCRA hazardous waste. However, contaminated material with soil, water or cleaning solutions may be RCRA/OSHA hazardous waste depending on what was added to the spilled product. It is the responsibility of the generator to determine at the time of disposal if the material meets the criteria for hazardous waste. Comply with all applicable federal, state and local regulations. Use registered sites, fuel blending or incineration for disposal

Section 11 Other

1. It is in compliance with CONEG, Consumer Product Safety Improvement Act of 2008, 16CFR 1303, EN71 part 3 European Toy Standard and ROHS legislation for heavy metals. No intentional lead, cadmium, mercury or hexavalent chromium has been added during the manufacturing process. The aggregate total concentration is less than 100 parts per million by weight. The lead concentration is less than 90 parts per million.
2. No Polybrominated Biphenyls or Polybrominated Diphenyl Ethers are used in the formulation or manufacture
3. No chlorinated compounds or PCB's are used in the formulation or manufacture.
4. No compounds derived from animals or known major food allergens (milk, eggs, fish, crustacean shellfish, tree nuts, wheat, peanuts or soybeans) are used in the formulation or manufacture. The products are not Kosher certified though.
5. No phthalate compounds are contained in the formulation. This includes: di(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP) and di-n-octyl phthalate (DnOP).
6. No natural rubber or latex is contained in the products.
7. This product may contains a substance(s) known to the State of California to cause cancer and or reproductive toxicity and additionally contains 12% Benzophenone listed on the Prop 65 chemical listing

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