

MATERIAL SAFETY DATA SHEET

Trade Name: GELCOAT

Chemical Family: Unsaturated polyester

Formula: Mixture

Manufacturer: ASHLAND
P.O. Box 2219
Columbus, OH 43216

Supplier: COAST FIBER-TEK
1306 Boundary Road
Burnaby, BC V5K 4T6
Tel.# (604) 294-8116

Emergency Phone #'s: 1-800-274-5263

Transportation EMG. Phone # CANUTEC

(613) 996-6666

(604) 930-0650

HAZARDOUS INGREDIENTS:

MethylMethacrylate:	>=5-<10%	CAS # 80-62-6
Styrene monomer:	>=20-<30%	CAS # 100-42-5
Talc:	>=5-<10%	CAS # 14807-96-6
Silica Amorphous (SIO2):	>=1.5-<5%	CAS # 7631-86-9
Silica Colloidal Amorphous:	>=1.5-<5%	CAS # 112945-52-5
Cobalt 2-Ethylhexanoate:	>=0.1-<0.5%	CAS # 136-52-7
Titanium Dioxide(TI02):	>=15-<20%	CAS # 13463-67-7

Exposure Limits:

Styrene:	LD50: Oral rat 2650 mg/kg; LC50: inhalation rat 2800 ppm/4 h
Titanium Dioxide:	LD50: Oral rat 24,000 mg/kg; LD50: Dermal rabbit 10,000 mg/kg
Methymethacrylate:	LD50: Oral rat 7800 mg/kg; LC50: Inhalation rat 3750 ppm
Silica Amorphous:	LD50: Oral rat 10,000 mg/kg; LD50: Dermal rabbit 5000 mg/kg; LD50: Inhl. Rat 0.139 mg/l
Silica Colloidal Amorphous:	LD50: Oral rat 3160 mg/kg; LC50: Inhalation rat 154 mg/m3
Cobalt 2-ethylhexanoate:	LD50: Oral rat 1220-1550 mg/kg; LD50: Dermal rabbit 5000 mg/kg; LD50: Inhl. Rat 10 mg/l, 1 h

PHYSICAL DATA:

Appearance & Odour: Viscous liquid, pungent odour.

Vapour Pressure: 5.132 kPa @ 25°C

Vapour Density: N/A

Solubility in Water: insoluble

Density: 1.078 g/cm3 @ 25°C

Evaporation Rate: N/A

Boiling Point: 100.5°C

Freezing Point: N/A

pH: not applicable

FIRE & EXPLOSION DATA:

Flashpoint & Method: 20.3°C SCC

Flammable Limits: LFL 1.1% (V), UFL 12.5% (V)

Extinguishing Methods: foam, dry chemical, CO2, water fog

Special Equipment & Procedures: Self contained breathing apparatus & complete protective clothing. Keep all sources of ignition away as fumes may ignite. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.

REACTIVITY DATA:

Conditions Contributing to Instability: Heat and direct sunlight. If a promoter like cobalt is to be added, mix with base material before adding catalyst

Incompatible Substances: Strong OXIDIZING AGENTS, Strong ACIDS, aluminum chloride, amines, halogenated hydrocarbons, halogens, iron chloride, lithium, metal salts, peroxides, strong alkalis, UV light.

Hazardous Decomposition Products: May form carbon dioxide, carbon monoxide, toxic fumes, various hydrocarbons.

Hazardous Polymerization: May occur with excess heat or direct sunlight

MATERIAL SAFETY DATA SHEET

Gelcoat - Pg 2

HEALTH HAZARDS DATA:

NOTE: Health studies have shown that exposure to chemicals pose potential risks which may vary from person to person. Exposure to liquids, vapours, mists or fumes should be minimized..

PRINCIPAL HEALTH HAZARDS:

Skin Contact: Prolonged / repeated exposure may cause irritation and drying or flaking of skin with possible dermatitis.

Eye Contact: May cause irritation producing tears. May cause slight temporary corneal injury.

Ingestion: May cause gastro-intestinal disturbances, pain and discomfort.

Inhalation: May cause irritation and upper respiratory tract discomfort, headache, nausea, insensibility and other nervous system effects. Repeated exposure to high concentrations may cause liver and kidney damage.

Chronic Effects: Contains styrene monomer, a possible carcinogen.

FIRST AID PROCEDURES:

Skin: Avoid direct contact with this chemical, wash with soap and water, seek medical attention if a rash persists

Eyes: Flush with warm water for 20 minutes, obtain medical attention

Ingestion: **DO NOT INDUCE VOMITING** have victim drink 8 to 10 oz of water to dilute materials in stomach.. Seek medical attention.

Inhalation: Remove victim to fresh air if ill effects develop. If effects persist, administer oxygen, apply A/R if necessary and seek immediate medical attention.

PREVENTIVE MEASURES:

Skin: Always apply appropriate barrier cream to exposed skin. Wear impervious gloves (butyl rubber), coveralls and safety footwear.

Eyes: Chemical proof goggles or full face respirator if vapours cause eye irritation.

Ingestion: Wash thoroughly before consuming food stuffs.

Inhalation: Use only in well ventilated areas or use NIOSH approved respiratory protection with organic vapour cartridges.

CONTROL MEASURES & PRECAUTIONS

Do not store above 38 deg C. Keep container tightly closed. **Do not** consume food, drink or tobacco in work area or material storage areas. Use caution and personal cleanliness to avoid skin and eye contact. Avoid breathing vapours of heated materials. Use paper covering absorbent wipes and suitable disposable containers in work area.

SPILL, LEAK & DISPOSAL METHODS

Review fire and explosion hazards and safety precautions before proceeding with clean up. Restrict access to area. Contain spill to prevent liquid from entering sewers or waterways. Recover free liquid and use an absorbent material (i.e. sand, vermiculite) to soak up balance. Place in suitable container for disposal.

DISPOSAL METHOD

Dispose only in a facility permitted to dispose of hazardous waste by Federal, Provincial and Municipal regulations.

SHIPPING INFORMATION

Shipping Name: Resin Solution, flammable
Hazard Class: 3
UN/PIN #: 1866 III
Flashpoint: 26.1°C
WHMIS: B2, D2A, D2B, F

The information contained herein is based on data that we believe to be accurate. No warranty either expressed or implied is made. This information is offered solely for your consideration interpretation and information.

Preparation Date: January 22, 1993
Prepared by: Nigel Poore, 1306 Boundary Road, Burnaby, BC V5K 4T6
Telephone #: (604) 294-8116
Revised Date: January 5, 2013

N/A = Not Available