SDS

GML COATINGS STRUCTURAL PART B

1 PRODUCT AND COMPANY IDENTIFICATION

Supplier Details: GML COATINGS, LLC.
10315 TECHNOLOGY TERR.
BRADENTON, FL 34211

Phone: 941-755-2176
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Web: WWW.GMLCOATINGS.COM

Emergency: CHEMTREC 800-424-9300 (24 HOUR SERVICE)

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 4 Oral
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Specific target organ toxicity - Single exposure, 3
Health, Specific target organ toxicity - Repeated exposure, 2
Environmental, Hazards to the aquatic environment - Acute, 3
Environmental, Hazards to the aquatic environment - Chronic, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: WARNING

GHS Hazard Pictograms:

GHS Hazard Statements:

H302 - Harmful if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H373 - May cause damage to organs through prolonged or repeated exposure.
H402 - Harmful to aquatic life
H412 - Harmful to aquatic life with long lasting effects

GHS Precautionary Statements:

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash exposed skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER/ doctor/…if you feel unwell.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 - Get medical advice/attention if you feel unwell.
P330 - Rinse mouth.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P391 - Collect spillage.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Eyes; Ingestion; Inhalation; Skin;

Target Organs: Eyes; Skin; Respiratory system;

Inhalation: Heating, spraying, foaming, or otherwise mechanically dispersing (drumming, venting or pumping) operations of this blend may generate more vapor or aerosol concentrations of its components. May cause sneezing and slight irritation of nose, throat and lungs.

Skin Contact: Prolonged or repeated exposure can cause skin irritation or dermatitis in some individuals.

Eye Contact: May cause watering of the eye and irritation of the conjunctiva.

Ingestion: May cause nausea or vomiting.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients

CAS#	%	Chemical Name
0	55-90%	Non hazardous ingredients
102-60-3	10-30%	2-Propanol, 1,1',1'',1'''-(1,2-ethanediyldinitrilo)tetrakis-
68479-98-1	0-9%	Benzenediamine, ar,ar-diethyl-ar-methyl-
13463-67-7	0-7%	Titanium dioxide

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Wash skin with large quantities of water and soap. Wash clothing before reuse. Seek medical attention if redness, itching or a burning sensation develops or persists after the area is washed.

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Use fingers to assure that the eyelids are separated and that the eye is being irrigated. Consult a physician.

Ingestion: Bring to the attention of a physician.

5 FIRE FIGHTING MEASURES

Flammability: OSHA - none; DOT - none

Flash Point: >284°F

Flash Point Method: ASTM D 93-16a (Pensky-Martens Closed Cup)

Autoignition Temp: NDA

Use dry chemical, foam, carbon dioxide, halogenated agents or water. Use cold water spray to cool fire-exposed containers to minimize risk of rupture. A solid stream of water directed into the hot burning liquid could cause frothing. If possible, contain fire run-off water.

6 ACCIDENTAL RELEASE MEASURES

Spill: Remove all sources of flames, heating elements, gas engines, etc. Emergency clean-up personnel should wear chemical goggles, rubber or plastic gloves and clothing as required to protect against contact. Prevent spreading and contamination of surface waters and drinking supplies. Notify local health officials and other appropriate agencies if such contamination should occur.

Clean up: With adequate ventilation and appropriate personal protective equipment, cover the area with an inert absorbent material such as clay or vermiculite and transfer to steel waste containers. Ventilate area to remove the remaining vapors.

7 HANDLING AND STORAGE

Handling Precautions: Handling: Avoid skin and eye contact. Use personal protective equipment when transferring material to or from drums, totes or other containers. If contamination with isocyanates is suspected, do not reseal containers. Do not smoke or use naked lights, open flames, space heaters, or other ignition sources near pouring, frothing or spraying operations

Special Emphasis for Spray Applications of Mixed Products Containing Isocyanates: Inspect the application area for the potential to expose other persons or for overspray to drift onto buildings, vehicles or other property. When spraying building exteriors, persons entering or exiting the building as well as those inside could be exposed to polyisocyanates due to wind conditions, open windows or air intakes. Do not begin application work until these potential problems have been corrected.

Storage Requirements: Storage: When stored between 15° and 30°C (60° and 85°F) in sealed containers, typical shelf life is 6 months or more from the date of manufacture. Consult technical data sheet for shelf life requirements affecting performance quality. Opened containers must be handled properly to prevent moisture pickup.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Uses requiring heating and/or spraying may require more agressive engineering controls or PPE.

Personal Protective Equipment: HMIS PP, X | Consult your supervisor for special instructions

Personal protective equipment

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Immersion protection Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: > 480 min Material tested:Dermatril (Aldrich Z677272, Size M)

Splash protection: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: > 30 min Material tested:Dermatril (Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 873000, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

2-Propanol, 1,1',1'',1'''-(1,2-ethanediyldinitrilo)tetrakis- cas#:(102-60-3) [10-30%]

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pigmented liquid.		
Physical State:	Liquid	**Odor:**	Mild
Spec Grav./Density:	8.88 lb/gallon	**Solubility:**	Not soluble in water.
Viscosity:	850 cps	**Percent Volatile:**	<1% by weight and by volume
Boiling Point:	>300°F	**Flash Point:**	>284°F
Flammability:	None	**Vapor Density:**	>1
Evap. Rate:	<1	**Auto-Ignition Temp:**	NDA

10 STABILITY AND REACTIVITY

Chemical Stability:	Product is stable under normal conditions. Avoid extended exposure over 110°F.
Conditions to Avoid:	High temperatures, sparks, flame and extended exposure over 110°F (45°C).
Materials to Avoid:	isocyanates; Oxidizing materials; acids;
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

2-Propanol, 1,1',1'',1'''-(1,2-ethanediyldinitrilo)tetrakis- cas#:(102-60-3) [10-30%]

Information on toxicological effects

Acute toxicity:
Oral LD50 no data available
Inhalation LC50
Dermal LD50
Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: May cause allergic skin reaction.

Germ cell mutagenicity: no data available

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Synergistic effects: no data available

Additional Information:

RTECS: UB5604000

12 ECOLOGICAL INFORMATION

2-Propanol, 1,1',1'',1'''-(1,2-ethanediyldinitrilo)tetrakis- cas#:(102-60-3) [10-30%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

Disposal: Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.
Do not allow material to enter sewers, a body of water, or contact the ground. Refer to RCRA 40 CFR 261, and/or any other appropriate federal, state or local requirements for proper classification information.

14 TRANSPORT INFORMATION

Non DOT/RCRA regulated

IATA/IMDG/ICAO - Not dangerous goods

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES
- -

2-Propanol, 1,1',1'',1'''-(1,2-ethanediyldinitrilo)tetrakis- (102-60-3) [10-30%] TSCA

Benzenediamine, ar,ar-diethyl-ar-methyl- (68479-98-1) [0-11%] TSCA

Titanium dioxide (13463-67-7) [0-3%] IARC, MASS, OSHAWAC, PA, TSCA, TXAIR

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Regulatory CODE Descriptions
-------------------------------------------------------------------------
IARC = IARC Carcinogen Risks
TSCA = Toxic Substances Control Act
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TXAIR = TX Air Contaminants with Health Effects Screening Level
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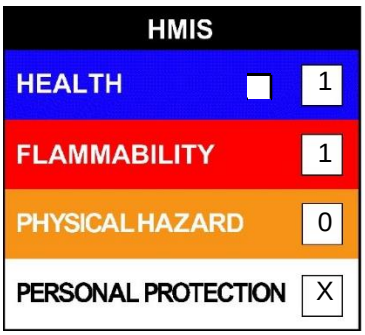
16 OTHER INFORMATION

NFPA: Health = 1, Fire = 1, Reactivity = 0, Specific Hazard = None
HMIS III: Health = 1, Fire = 1, Physical Hazard = 0
HMIS PPE: X - Consult your supervisor for special instructions



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