

SECTION 1 - PRODUCT IDENTIFICATION

Common Name: Gem KoteTM 400
(As appears on label)
Description: Solvent based acrylic enamel
Manufacturer/Supplier: Concrete Coatings Inc.
PO Box 150071
Ogden, UT 84415
1-800-443-2871

Emergency: Chemtrec 1-800-424-9300

Hazard Rating	Scale	
Toxicity	2	4 = Extreme
Flammability	3	3 = High
Reactivity	0	2 = Moderate
Special	0	1 = Slight
VOC (g/l)	395	0 = Insignificant

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components Chemical & Common Names	CAS No.	Percent By Weight	OSHA TWA	OSHA STEL	ACGIH STEL	ACGIH TWA
Xylene	1330-20-7	16-20	100 ppm	100 ppm	150 ppm	100 ppm
Acrylic Polymer Solids	Not Hazardous	22-25	N/A	N/A	N/A	N/A
Acetone	67-64-1	30-40	1000 ppm	N.E	750 ppm	500 ppm
4-chlorobenzotrifluoride (PCBTF)	98-56-6	30-40	N.E	N.E	N.E	25 ppm (8 hours)

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 230 ° F
Melting Point: 1.09
Specific Gravity (Water = 1): 1.7
Vapor Pressure (mm Hg): 17 mm Hg @ 20° C/68° F
Vapor Density (Air = 1): 4.0
Solubility in Water: NO
**Evaporation Rate
(Butyl Acetate=1)** 2.0
Appearance & Odor Clear, Slight haze
PH: 8.0 – 9.0
Viscosity 85-105 cps maximum
Percent Volatility 61.8%

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point: Closed Cup: 96 ° F / 31 ° C
Flammable Limits: **Lower Explosive Limit:** 1.0
Upper Explosive Limit: 7.0
Extinguishing Media: Carbon Dioxide, Dry Chemical, Water Fog and Foam.
**Unusual Fire/Explosion
Hazards:** None
**Special Firefighting
Procedures:** Firefighter must wear self-contained breathing apparatus or air masks.
Keep containers that are exposed to fire cool with water or cooling agent.

SECTION 5 – REACTIVITY DATA

Stability: Stable
Conditions to avoid: N/A
Incompatible with: Strong Oxidizers, Acids
Hazardous decomposition products: Carbon Dioxide/Monoxide and Metal Oxides.
Hazardous polymerization: N/A

SECTION 6 HEALTH HAZARD DATA

Components

Xylene:	Oral LD 50	Rat	4,300 mg/kg
	Inhalation LC 50	Rat	5,000 ppm/4-hours
	Dermal LD 50	Rabbit	17,899 mg/kg
Acetone:	Oral LD50	Rat	NO DATA
	Inhalation LC 50	Rat	50,000 mg/kg
	Dermal LD 50	Rabbit	NO DATA
PCBTF	Oral LD 50	Rat	13,000 mg/kg
	Oral LD 60	Mouse	11,500 mg/kg
	Inhalation LC50	Rat	22,000 mg/L
	Dermal LD60	Rat	N/A

Carcinogenicity: NO
IARC: NO
OSHA Regulated?: NO
Threshold Limit Value (TLV): 100 ppm

Effects of Overexposure:

Inhalation: Harmful if inhaled. May affect nervous system, respiratory system, and brain resulting in dizziness, headache, incoordination, respiratory irritation or nausea. Vomiting, upset stomach, wheezing, coughing and shortness of breath can occur. Continued overexposure can cause liver and kidney damage.

Skin Contact: Repeated and prolonged contact can cause irritation and dermatitis. Can be absorbed through the skin. Can cause redness, itching and burning sensation

Eye Contact: Extremely irritating to eyes, can cause burning sensation and corneal injury

Warning! Reports are have associated prolonged and repeated overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling fumes may be harmful and/or fatal.

Emergency and First Aid Procedures

Skin and Eye Contact: Flush affected area with large amounts of water for at least 15 minutes and contact physician., If irritation persists, wash affected skin area with soap and warm water. DO NOT USE SOLVENTS TO REMOVE FROM SKIN

Inhalation: Move individual to fresh air immediately if symptoms occur. If breathing becomes difficult, administer oxygen, and consult physician immediately. If breathing has stopped, apply applicable CPR procedures and contact physician immediately.

SECTION 7 – SPILL OR LEAK PROCEDURES

- If Material Spills or Leaks:** Absorb material with inert media and dispose of in a chemical-waste container. Keep away from Municipal sewers, lakes, or streams.
- Waste Disposal:** Empty containers may contain product residue and may still be hazardous. Dispose of in accordance with local, state and federal regulations.

SECTION 8 – SAFE HANDLING AND STORAGE INFORMATION

- Respiratory Protection** Wear MSHA/NIOSH approved respirator suitable for concentrated organic vapors. In extreme concentrations (Not recommended) wear air supplied breathing apparatus
- Ventilation:** Due to solvent vapors, this product is not ideal for indoor use. Provide adequate local ventilation. Provide spark resistant mechanical ventilation as necessary to evacuate fumes. **EXTINGUISH ALL FLAME SOURCES PRIOR TO USE!**
- Protective Equipment:** Wear solvent resistant neoprene rubber gloves, safety glasses with splash guards or side shields, chemical goggles, or face shields.
- Other Equipment and Practices:** Standard painting clothing is suitable.
- Special Precautions for Handling and Storage:** Store in a cool, dry, well-ventilated place. Keep away from heat, ignition sources, open flame, or direct sunlight. Keep containers tightly closed. Excessive heat can cause sealed containers to rupture due to internal pressure.

SECTION 9 – SHIPPING INFORMATION

- DOT Shipping Name:** Paint Related Material
UN/NA Id #: Un1263
DOT Hazard Class: 3 (IATA/49CFR)
DOT Label: Flammable Liquid
DOT Label No.: N/A
Packaging Group: III

SECTION 10 – REGULATORY INFORMATION

This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

- SARA Title III** Section 311/312 – Hazard Categories:
Y – Fire Hazard
N – Sudden Release of Pressure Hazard
N – Reactivity Hazard
Y – Immediate (acute) Health Hazard
Y – Delayed (chronic) Health Hazard

Ozone-Depleting Chemicals – No Regulated ingredients

SARA Section 302 Extremely Hazardous Mat – No regulated ingredients

**SARA Section 313 Toxic Chemicals –
Xylene**

Chemical Listing – Listed on the following Countries' Chemical Inventories:

**European Union
Listed.**

EINECS (Euro. Inventory of Chem. Subst.)

United States

Toxic Substance Control Act

**Chemical Component(s) in this product are on the section 8 (b) Chemical Substance inventory ,
list. (40 CFR 710)**

STATE RIGHT-TO-KNOW:

Pennsylvania – New Jersey R-T-K

**Xylene
Environmental Hazard.**

1330-20-7 30-40

Non Hazardous Trade Secret Ingredient(s)

Proprietary Balance

California – California proposition 65 – No regulated ingredients.

CONEG – No data available.

**CANADA: This is a “controlled product” under the Canadian Workplace Hazardous Materials
Information System (WHMIS).**

Class B Division 2 Class D Division 2 Sub-division B

CEPA – NPRI

Xylene

Canadian Chemical Inventory

Domestic Substance List

Listed.

USERS RESPONSIBILITY & DISCLAIMER OF LIABILITY: A bulletin such as this cannot be expected to cover all possible situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where precautions – in addition to those described herein are required. Although the information contained herein is based on data considered to be accurate, all materials present unknown health hazards, and should be used with caution and by properly trained personnel. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Any health hazard and safety information should be passed onto your customers or employees, as the case may be. Final suitability of the chemical for each circumstance is the sole responsibility of the end user. No representation or warranties either expressed or implied, of merchantability, fitness for a particular purpose, or any other nature are made hereunder with respect to the information contained herein, or the chemical to which the information refers. It is the sole responsibility of the end user to comply with all applicable federal, state and local laws and regulations. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed.