C.I.M. Industries Inc.
23 Elm St, Peterborough, NH 03458
Web site: www.cimindustries.com

Material Safety Data Sheet

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Product Names
CIM Premix for:
CIM 1000, CIM 1061
CIM 1000 Trowel Grade
CIM 800

Description
All CIM premixes are:
Asphalt/resin portion of 2-component urethane coatings.

Emergency Telephone
CHEMTREC (800) 424-9300
C.I.M. Industries Inc. (603) 924-9481
Prepared by:
R. H. Stephens, C.I.M. Industries Inc.
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CAUTION!

Flammable Liquid — Keep out of reach of children.

May cause eye and skin irritation. Prolonged or repeated contact with skin can be harmful.

HAZARDOUS CONSTITUENTS

Component	CAS#	ACGIH TWA	ACGIH STEL	OSHA TWA	OSHA STEL	% Range	Primary Hazard
Petroleum asphalt	8052-42-4	5 mg/m^3 (Note1)		n/a		20 to 80%	n/a
Amine compounds		n/a		n/a		up to 10%	Irritant
Aliphatic hydrocarbon	8052-41-3	100 ppm	n/a	100 ppm	n/a	up to 30%	Flammable liquid
Aromatic Petroleum Distillates	64742-95-6	100 ppm	125 ppm	100 ppm	125 ppm	up to 2%	Flammable liquid

[1] applies to fumes from hot asphalt and is not likely to present a hazard when CIM Premix is used as directed.

HEALTH EFFECTS	EMERGENCY & FIRST AID PROCEDURES	SPECIAL PROTECTION
Eyes May cause eye irritation.	Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. If irritation persists, see a doctor.	Wear chemical safety goggles.
Skin May cause skin irritation. Prolonged or repeated exposure may dry the skin. LD_{50} (rabbit)>5 g/kg.	Remove heavily contaminated clothing and wash skin thoroughly with soap and water. DO NOT use solvents or thinners to remove materials from skin. Asphalt can be removed with vegetable oil or mineral oil.	Skin contact can be minimized by wearing protective clothing and solvent resistant gloves.
Inhalation Breathing solvent vapor can cause central nervous system effects including dizziness, weakness, fatigue, and headache and possible unconsciousness and even death. LC_{50}>2000 ppm.	Move the person to fresh air and apply oxygen if breathing is difficult. If breathing has stopped, apply artificial respiration. Call a doctor.	Use in well ventilated areas only. Wear an OSHA approved type C air supplied respirator if ventilation is inadequate to keep solvent inhalation vapors below the exposure limits listed above.
Ingestion This material contains solvents. An aspiration hazard may exist which could cause chemical pneumonitis which is sometimes fatal. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. LD_{50} (rat)>5 g/kg.	Do not induce vomiting. Get medical attention. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.	Avoid airborne mists which can be inhaled or swallowed. Use protective mask, if necessary.

FIRE PROTECTION

Flammable Liquid: Solvents contained in this product evaporate and form vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as cigarettes, pilot lights, welding equipment, electrical motors and switches, and static discharge. Fire hazard is greater as liquid temperature rises.

Flash Point: 101°F

Autoignition Temp.: >500°F

Flammability Limits: 1% lower limit, 6% upper limit

Extinguishing Media: CO_2, Dry Chemical, Foam, Water Fog, Halon

Special Fire Fighting Procedures: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. See Hazardous Decomposition Products. Read the entire MSDS.

NFPA Hazard Rating: Health 1; Flammability 2; Reactivity 0; Special 0, Class II

DOT Hazard: Coating Solution, Class 3, UN1139, PG III

PHYSICAL PROPERTIES

Solubility: Miscible in all proportions with most light halogenated hydrocarbon solvents; soluble to less than 300 ppm in water.

Appearance (Color, Odor, etc.): Black liquid with mineral spirits odor

Boiling Point: ca 310°F (155°C)

Melting Point: n/a

Specific Gravity: 0.9@ 20/20°C

Vapor Pressure: Approximately 3mm Hg @ 68°F (20°C)

Vapor Density (Air=1): Approximately 4.9

Percent Volatile (Volume): less than 15%

ENVIRONMENTAL PROTECTION

Environmental Impact: This material, if not activated with CIM Activator, may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.

Precautions if Material is Released or Spilled: Eliminate all open flame in vicinity of spill or released vapor. Clean up small spills using appropriate techniques such as absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

Waste Disposal Methods: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

Regulatory Status: This product does not contain constituents known to be a carcinogen, mutagen, teratogen or reproductive toxin. This product contains certain aromatic solvents subject to the reporting requirements of section 313 of SARA Title III. Spills in excess of 10,000 lb. must be reported to the appropriate federal, state, and local authorities.

REACTIVITY DATA

Stability (Thermal, Light, etc.): Stable

Incompatibility (Materials to Avoid): May react with strong oxidizing materials.

Hazardous Decomposition Products: Incomplete combustion can produce carbon monoxide. Normal combustion forms carbon dioxide and water vapor and may produce oxides of nitrogen.

Hazardous Polymerization: Will not occur.

n/a = Not Applicable
NDA = No Data Available

ADDITIONAL HEALTH DATA

CIM Premix is used with CIM Activator to form an elastomeric coating for waterproofing and corrosion protection. Consult the MSDS for CIM Activator. Avoid inhalation of airborne activated CIM mixture which contains isocyanates and may result in sensitization and allergic response in some individuals.

No association has been established between industrial exposure to petroleum asphalt and cancer in humans. The International Agency for Research on Cancer has determined there is limited evidence of carcinogenicity for undiluted steam-refined asphalts in experimental animals and insufficient evidence of carcinogenicity for undiluted steam-refined asphalts in humans. These asphalt sources are not constituents of CIM Premix

HANDLING & STORAGE

READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

DO NOT USE OR STORE near flame, sparks or hot surfaces.

USE ONLY IN WELL VENTILATED AREA. Keep container closed when not in use.

DO NOT weld, heat or drill container. Emptied container still contains hazardous or explosive vapor or liquid.

Store product in accordance with local regulations. Do not exceed indoor limits for storage of Class II liquids. Storage temperature: 20°F to 110°F (Do not warm pails above flash point of 101°F)