Date Prepared: 5/15/02
Supersedes: 8/1/1
Product Name: CS 25

PREMIERE CONCRETE SOLUTIONS

Material Safety Data Sheet

1. Chemical Product and Company Information

Product Name: CS 25

Premiere Concrete Solutions
508 Cedar St.
P.O. Box 157
Pioneer, Ohio 43554
Phone: 800-503-3418
Fax: 419-737-9400

In Case of Emergency Contact:
CHEMTREC 800-424-9300

2. Composition / Information on Ingredients

Hazardous Components	CAS#
Stoddard Solvent (Aliphatic)	8052-41-3
Polymer Solids	Proprietary
Petroleum Naphtha (Aromatic)	64742-95-6
1,2,4, - Trimethylbenzene	95-63-6
1,3,5 – Trimethylbenzene	108-67-8
Xylene	1330-20-7

3. Hazards Identification

CAUTION, Flash Point 105^0 F
COMBUSTIBLE LIQUID
Causes eye, skin and lung irritation
Harmful if inhaled
Harmful if swallowed

Potential Health Hazards – ACUTE

Eye: May cause eye irritation. Direct contact with the liquid or exposure to its vapors may cause burning, tearing and redness.

Skin: May cause irritation. Prolonged or repeated exposure may cause redness and burning, drying and cracking of the skin and dermatitis. Persons with preexisting skin disorders may be more susceptible to the effects of this material.

Inhalation: Excessive concentrations of vapors or mists may cause irritation of the nose and throat and signs of nervous system depression. Persons with impaired lung function or asthma like conditions may experience additional breathing difficulties due to the irritating properties of this material.

Ingestion: Liquid is moderately toxic and may be harmful if swallowed; may produce CNS depression. May result in vomiting. Aspiration of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

Potential Health Effects – Chronic

Kidney, lung and liver are probable target organs. See Section 11 for further information.

Carcinogenicity:	NTP	IARC Monographs	OSHA Regulated
	NO	NO	NO

4. First Aid Measures

Eye: Immediately flush with plenty of clean water.

Skin: Remove contaminated clothing. Clean affected area(s) thoroughly with soap and water.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Seek medical attention! Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

SEEK MEDICAL ATTENTION IF SYSPTOMS PRESIST

5. **Fire Fighting Measures**
   Flash Point (method used): 105^0F (TCC)
   Flammable Limits (% volume in air): Lower = 1 Upper = 7
   Auto Ignition Temperature: No data available
   Extinguishing Media: Extinguish with water fog, dry chemical, CO2 or foam.
   Hazard Combustion Products: Carbon dioxide, carbon monoxide and/or organic compounds
   Fire Fighting Instructions: Do not enter confined fire space without full bunker gear including a positive pressure, NIOSH approved, self-contained breathing apparatus. Cool containers exposed to fire with water.

6. **Accidental Release Measures**
   Spill: Shut off ignition sources. Absorb with inert material, and then place in chemical waste container for later disposal.

7. **Handling and Storage**
   Handling: Avoid inhalation of vapors and personal contact with product. Keep liquid away from heat, sparks and flame. Use with adequate ventilation. "Empty" containers can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize drums to empty them.
   Storage: Store containers tightly closed with adequate ventilation in a cool, dry area.

8. **Exposure Controls / Personal Protection**
   Exposure Controls: Mechanical and local exhaust should be used for indoor use.
   Personal Protection: Protective clothing, goggles, rubber gloves and a vapor respirator when TLV is exceeded.

9. **Physical and Chemical Properties**
   Appearance: Clear liquid of low viscosity
   Odor: Aromatic solvent odor
   VOC Content: 680 gm/L
   Boiling Point: 300-355^0F
   Melting Point: Not applicable
   Vapor Pressure (mm/Hg): 10.3 @ 100^0F
   Vapor Density (Air = 1): 4.3
   Solubility in Water: Negligible (<5%)
   Specific Gravity (H20 = 1): 0.86
   Evaporation Rate (n-Butyl Acetate =1): 0.1

10. **Stability and Reactivity**
    Chemical Stability: Stable
    Conditions to Avoid: Heat, sparks and flame
    Incompatibility (materials to avoid): Strong oxidizing agents. Strong acids, bases and select amines.
    Hazard Decomposition or By-products: Thermal decomposition in the presence of air may yield carbon monoxide, carbon dioxide and/or unidentified organic compounds.
    Hazardous Polymerizations: Will not occur

11. **Toxicological Information**
    Rats exposed for 4 months to 1700 ppm of a similar solvent showed evidence of mild damage to the liver, lungs and kidneys. These effects were not seen in rats exposed for 1 year at 350 ppm. Rats exposed during pregnancy showed embryo/fetotoxic toxicity. Petroleum Naphtha may contain small percentages of Xylene. Xylene in high concentrations has resulted in hearing loss in laboratory rats.

Components	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Petroleum Naphtha (Aromat)	**4.7 g/kg**	**-**	**>3670 ppm/8 hours**

12. **Ecological Information**
CWA considers petroleum distillates an oil under Section 311. Spills into or leading to surface waters that cause sheen must be reported to the National Response Center.

13. **Disposal Considerations**
Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Under RCRA 40 CFR 261 this material is hazardous waste number D001.

14. **Transportation Information**
For U S National Shipments ≤ 119 gal containers: Not Regulated

For U S National Shipments > 119 gal containers:
Shipping Description: Combustible Liquid, N.O.S. (Petroleum Distillates), Combustible Liquid, NA1993, III UN1263, III
Hazard Class: Combustible Liquid

For International, Vessel and Air Shipments:
Shipping Description: Flammable Liquids, N.O.S. (Petroleum Distillates), 3, UN1993, III
Hazard Class: Flammable Liquid
Emergency Response Guide Number: 128

15. **Regulatory Information**
OSHA: This material is hazardous by definition of Hazardous Communications Standard (29 CFR 1910, 1200)
CERCLA Reportable Quantity: Xylene RQ 100 pounds, or 10,000 pounds of this product. CWA considers petroleum distillates an oil under Section 311. Spills into or leading to surface waters that cause sheen must be reported to the National Response Center.

SARA Title III:
Section 311/312 hazard categories: acute health, delayed health, fire
Section 313 reportable ingredients:

Components	CAS#	Maximum %
1,2,4 Trimethylbenzene	95-63-6	12%
Xylene	1330-20-7	1%

16. **Other Information**
MSDS Status: Revised 5/15/02
Industrial Abbreviation Legend on page 5 of this MSDS

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Industrial Abbreviation Legend

ACGIH	American Conference of Governmental Industrial Hygienists
CAA	Clean Air Act (EPA)
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980 (Superfund)(EPA)
CNS	Central Nervous System
CWA	Clean Water Act (EPA)
DOT	Department of Transportation
EPA	Environmental Protection Agency
G/kg	grams per kilogram
IARC	Internal Agency for Research on Cancer
LC50	Lethal Concentration in which 50% of the test animals are expected to die
LD50	Lethal Dose in which 50% of the test animals are expected to die
Mg/m^3	milligrams per cubic meter
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
Ppm	parts per million
RCRA	Resource Conservation and Recovery Act (EPA)
SARA	EPA's Superfund Amendment and Reauthorization Act (EPA)
STEL	Short-Term Exposure Limit, ACGIH terminology
TLV	Threshold Limit Value
TWA	Time-Weighted Average

THIS PRODUCT

IS FORMULATED AND LABELED FOR
INDUSTRIAL AND COMMERCIAL APPLICATION ONLY

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