

Gorman Co., Inc. Material Safety Data Sheet

PRODUCT IDENTIFICATION

TRADE NAME	Kramm Packing
CHEMICAL NAME AND SYNONYMS	NA
MANUFACTURER'S NAME	Gorman Co., Inc.
TELEPHONE NO	(800) 527-1719 (972) 299-5223
ADDRESS	P.O. Box 968 Cedar Hill, TX 75106

HAZARDOUS INGREDIENTS	CAS NO.	ACGIH % BY WT	OSHA TLV (TWA)	UNITS PEL (TWA)
FAIRPRENE	NA	11	NA	NA
GRAPHITE	7782-42-5	15	2.5	15 mg/cum
ZONALITE (VERMICULITE)	0318-00-9	75	NA	5 mg/cum

SOLVENTS			
TOLUENE	108-88-3	7.6	100 PPM
HEPTANE	142-82-5	1.2	400 PPM

SUBSTANCES PRESENT AT A CONCENTRATION OF 0.1% OR MORE CLASSIFIED AS A CARCINOGEN BY IARC, NTP OR OSHA: NONE

SUBSTANCES SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RTK ACT OF 1986 (40CFR 372): Toluene

PHYSICAL/CHEMICAL DATA

APPEARANCE	Semisolid
ODOR	Solvent
BOILING POINT	228-419 F
MELTING POINT	N/A
SOLUBILITY IN WATER	Negligible
VOLATILE CONTENT	NA
EVAPORTION RATE	NA
SPECIFIC GRAVITY	5.85 – 5.95

FIRE AND EXPLOSION HAZARD DATA

FLASH IGNITION TEMPERATURE	Greater than 200°F (closed cup)
UNUSUAL FIRE, EXPLOSION HAZARDS	Non flammable
SPECIAL FIRE FIGHTING INSTRUCTIONS	Personnel must wear self contained breathing apparatus. Water spray may be used to cool closed containers to prevent pressure build-up.
EXTINGUISHING MEDIA	Foam, Carbon Dioxide, Dry Chemicals

HAZARDOUS REACTIVITY

MATERIALS TO AVOID	Strong Oxidizing Agents
CONDITIONS TO AVOID	Excessive Heat
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides.
POLYMERIZATION	Will not occur

HEALTH HAZARD DATA

HMIS RATING	Health: 1	Flammability: 0	Reactivity: 0
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ROUTES OF ENTRY:

INHALATION? YES	Skin? YES	Ingestion? YES
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HEALTH HAZARD DATA (CONTINUED)**EFFECTS OF ACUTE OVEREXPOSURE**

High vapor concentrations irritating to the eyes and respiratory tract. Toluene is a neurotoxin. Skin contact may cause irritation, defatting and dermatitis.

EFFECTS OF CHRONIC OVEREXPOSURE

While there is no evidence that industrially acceptable levels of toluene have produced cardiac effects in humans, animal studies have shown that inhalation of high levels of toluene produced cardiac sensitization. Such sensitization may cause fatal changes in heart rhythms. This latter effect was shown to be enhanced by Hypoxia or the injection of adrenaline-like agents. Prolonged and repeated exposures to high concentration of toluene have resulted in hearing loss in laboratory rats.

Intentional abuse, misuse or other massive exposure may cause multiple organ damage and/or death.

CARCINOGENIC ASSESSMENT:

NTP? No

IARC? No

OSHA? No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing eye, skin, respiratory disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Immediately flush with water for 15 minutes while holding eyelids open.

Skin Contact: Wash with soap and water. If irritation occurs, get medical attention.

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

Ingestion: Do not induce vomiting.

PROTECTION INFORMATION

VENTILATION: Local exhaust.

EYE: Chemical splash goggles

SKIN: Impervious gloves.

PROTECTION INFORMATION (CONTINUED)

RESPIRATORY: Chemical cartridge respirator with organic vapor cartridge for vapor levels of 100 – 1000 PPM.

DISPOSAL

SPILL, LEAK OR RELEASE: Eliminate source of ignition.

WASTE DISPOSAL: Dispose of in accordance with Local, State and Federal Regulations.

SPECIAL PRECAUTIONS

STORAGE CONDITIONS: Store away from heat, sparks and open flames. Do not store above 120°F or in direct sunlight. Close containers after use.

BY: John Lynd TITLE: Material Scientist

REVIEWED AND APPROVED BY: Tom Gieser TITLE: P.E.

Date: Dec. 14, 1998 New Revised Supercedes