

MATERIAL SAFETY DATA SHEET

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SECTION I - PRODUCT

PRODUCT NAME: DRAMM BLEND VK-1
DATE OF PREPARATION: 12/02/09
HMIS RATING: HEALTH 3
FLAMMABILITY 1
REACTIVITY 0
EMERGENCY PHONE NUMBER: CHEMTREC (800) 424-9300

SECTION II - HAZARDOUS INGREDIENTS

PRODUCT NAME	CAS #	VAPOR PRESSURE (mm Hg)	TLV	UNITS
CHEMICAL NAME		PERCENT	PEL	UNITS
3 METHYLENE CHLORIDE	75-09-2	420.0	50	PPM
DICHLOROMETHANE		>9%	25	PPM
DUOPRIME 90 USP	8042-47-5	N.E.	5	MG/M3
WHITE MINERAL OIL		>9%	5	MG/M3

3 POSSIBLE CANCER HAZARD BASED ON TESTS WITH LABORATORY ANIMALS. OVEREXPOSURE MAY CREATE CANCER RISK.

SECTION III - PHYSICAL DATA

BOILING RANGE: 104 - 104 DEG F
VAPOR DENSITY: HEAVIER THAN AIR
EVAPORATION RATE: SLOWER THAN ETHER
PERCENT VOLATILE BY VOLUME: 86%
WEIGHT/GALLON: 10.24000 LBS/GAL

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

HAZARD CLASSIFICATION OSHA: COMBUSTIBLE LIQUID-CLASS IIIB

DOT: 6.1

FLASH POINT (TCC): > 351 DEG F

LOWER EXPLOSION LIMIT % BY VOLUME (IN AIR): > 14.0

EXTINGUISHING MEDIA:

Carbon dioxide. Dry chemical. Water spray. Universal-type foam.

SPECIAL FIREFIGHTING PROCEDURES:

Use self-contained breathing apparatus. Wear full protective clothing.

Use water spray to cool fire-exposed containers and structures.

A solid stream of water directed into hot, burning liquid would cause frothing and scattering of burning material.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

If storage containers are exposed to excessive heat, overpressurization may result.

When heated to decomposition, product will liberate toxic fumes of hydrogen chloride and possibly phosgene.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

INGESTION:

Vomiting. Loss of consciousness. Central nervous system depression. Harm. Irritation of gastrointestinal tract. Pulmonary aspiration hazard if vomiting occurs.

SKIN ABSORPTION:

Absorption of harmful amounts. Irritation.

INHALATION:

Vomiting. Nausea. Unconsciousness. Central nervous system depression. Death.

SKIN CONTACT:

Minor irritation. Dermatitis with prolonged or repeated exposure.

EYE CONTACT:

Irritation. Lacrimation. Pain.

CHRONIC EFFECTS OF OVEREXPOSURE:

Headache. Mental confusion. Depression. Fatigue. Loss of appetite. Nausea. Vomiting. Cough. Loss of sense of balance. Visual disturbances. Dermatitis. Repeated or prolonged inhalation of petroleum-based mineral oilmists at concentrations above applicable workplace levels can cause respiratory irritation or pulmonary effects.

OTHER HEALTH HAZARDS:

A 1985 NTP, 2 yr. animal inhalation study report on Methylene Chloride states that there is "clear evidence of carcinogenicity" in mice and female rats. Experience in industry has shown no increased incidences of cancer of any type in the worker population.

Persons with angina or heart disease should not be exposed to methylene chloride.

PRIMARY ROUTE(S) OF ENTRY:

Ingestion. Skin absorption. Inhalation. Eye contact.

EMERGENCY AND FIRST AID PROCEDURES

INGESTION:

Do not induce vomiting. Call a physician. Never give anything by mouth to an unconscious person.

If vomiting occurs spontaneously, keep airway clear.

SKIN:

Immediately wash skin with soap and plenty of water.

Remove and wash contaminated clothing promptly. Destroy contaminated shoes.

Call a physician.

INHALATION:

If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

NOTES TO PHYSICIAN:

Methylene Chloride overexposure can produce elevated carboxyhemoglobin levels.

SECTION VI - REACTIVITY DATA

STABILITY:

Stable.

CONDITIONS TO AVOID:

Fire. Severe oxidizing conditions.

INCOMPATIBILITY:

Pure oxygen. Alkali metals. Strong oxidizing agents. Open flame.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide. Carbon dioxide. Hydrogen chloride.

Small amounts of phosgene. Smoke. Fumes. Unburned hydrocarbons.

HAZARDOUS POLYMERIZATION:

Will not occur.

CONDITIONS TO AVOID:

None known.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Contact local authorities. Collect large spills for disposal.

Soak up with sawdust, sand, oil dry, or other absorbent material.

WASTE DISPOSAL:

Incineration in accordance with all federal, state, and local regulations.

Dispose of spilled, neutralized, or waste product, contaminated soil and other materials in accordance with all federal, state and local regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:

Use an appropriate NIOSH/MSHA approved respirator following manufacturer's recommendations.

VENTILATION:

Special, local ventilation is needed at points where vapors or mists are expected to escape to the workplace air.

Use in well-ventilated areas.

PROTECTIVE GLOVES:

Consult the glove manufacturer for the most appropriate glove material.

EYE PROTECTION:

Chemical safety goggles.

OTHER PROTECTIVE EQUIPMENT:

Wear protective clothing to prevent repeated or prolonged contact.

Chemically resistant shoes or boots. Decontaminate clothing before reuse.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

DANGER! May be fatal if swallowed. Cannot be made nonpoisonous.

Causes eye and skin irritation.

Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist.

Use only with adequate ventilation. Keep away from heat and flame.

Wash thoroughly after handling. Keep container closed.

Avoid prolonged or repeated contact with skin.

Store in tightly closed container. Store in cool, dry, ventilated area.

FOR INDUSTRY USE ONLY.

Persons with angina or heart disease should not be exposed.

OTHER PRECAUTIONS:

None.

Section 313 Supplier Notification

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	Percent by Weight
75-09-2	DICHLOROMETHANE	86.1%

This information must be included in all MSDSs that are copied and distributed for this material.