

RAZE
DR 8810

MATERIAL SAFETY DATA SHEET
ESSENTIALLY SIMILAR TO OSHA FORM 174

MANUFACTURED FOR:
Drummond American Corporation
600 Corporate Woods Pkwy.
Vernon Hills, IL 60061

IN CASE OF EMERGENCY CALL:
ROCKY MOUNTAIN POISON & DRUG CENTER
COLLECT AT: (303) 623-5716

DATE OF PREPARATION:
03/01/01

INFORMATION TELEPHONE NUMBER
(847) 913-9313

SECTION I - IDENTITY

PRODUCT NUMBER DR 8810
PRODUCT NAME RAZE
PRODUCT CLASS PEST CONTROL

SECTION II - INGREDIENTS

INGREDIENT	CAS NUMBER	%	ACGIH	MG/ M ³	PEL PPM	STEL PPM
			TLV PPM			
BUTANE	106-97-8	10-15	800	NE	800	NE
HEAVY ALIPHATIC SOLVENT	64742-47-8	1-10	NE	NE	NE	NE
PROPANE	74-98-6	1-10	2500	NE	1000	NE
PIPERONYL BUTOXIDE *	51-03-6	0.5	NE	NE	NE	NE
PERMETHRIN *	52645-53-1	0.2	NE	NE	NE	NE
PYRETHRINS	8003-34-7	0.1	NE	NE	NE	NE

* THIS CHEMICAL IS SUBJECT TO
S.A.R.A. TITLE III, SECTION 313
REPORTING.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (degrees F): < 0ø - 484øF
VAPOR DENSITY: Heavier than air
EVAPORATION RATE: Slower than ether
PERCENT VOLATILE (By Weight): N/A WEIGHT PER GALLON (LBS): N/A

OPTIONAL INFORMATION:

Appearance / Odor: Light yellow liquid with mild odor

Specific Gravity: 0.798
Density: 6.61 lbs/gal
VOC % by weight: 19.2

EPA Reg. No. 40208-2

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:

OSHA CLASS N/A
DOT CLASS ORM-D

U.N. CLASSIFICATION:

PER DOT N/A
PER IMCO N/A

FLASH POINT: < 0°F (propellant)

LEL: 1.9

UEL: 9.5

AEROSOL PRODUCT: TREAT AS A CYLINDER OF COMPRESSED GAS

EXTINGUISHING MEDIA: CO2 ALCOHOL FOAM DRY CHEMICAL WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Contents under pressure. Exposure to temperatures above 130°F may cause bursting.

SPECIAL FIREFIGHTING PROCEDURE:

Wear NIOSH/MSHA approved pressure-demand self-contained breathing apparatus and full protective clothing. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build-up.

SECTION V - REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARD DECOMPOSITION PRODUCTS:

Carbon monoxide and carbon dioxide.

CONDITIONS TO AVOID:

Keep away from sources of ignition. Do not use or store near heat or open flame. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

INCOMPATIBILITY (MATERIALS TO AVOID):

None known.

D.O.T. EMERGENCY RESPONSE INFORMATION:

*** NOT APPLICABLE ***

SECTION VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

SKIN CONTACT: May cause slight irritation.

EYE CONTACT: May cause irritation (i.e. redness, itching, burning).

INHALATION: May cause irritation of respiratory system. Excessive exposure may cause headache, dizziness, nausea and loss of coordination, unconsciousness, and possibly death.

INGESTION: May cause gastrointestinal effects such as nausea, vomiting and diarrhea. Ingestion of large quantities can result in symptoms similar to that of inhalation.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION EYES

MEDICAL CONDITIONS PRONE TO OVEREXPOSURE:

None known.

TARGET ORGANS AFFECTED:

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

CARCINOGENICITY:

IARC - No

NTP - No

OSHA - No

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: Wash thoroughly with soap and water. Remove contaminated clothing. EYE CONTACT: Flush with large amounts of water for 15 minutes. Get medical attention. INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention. INGESTION: Do NOT induce vomiting. Get medical attention immediately.

SECTION VII - SPILL OR LEAK PROCEDURES

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

Remove all sources of ignition. Ventilate area. Soak up with an inert absorbent and dispose of with chemical waste.

WASTE DISPOSAL METHOD:

Do not incinerate or puncture container. Depressurize, wrap container in several layers of newspaper, and dispose of in trash in accordance with local, state and federal regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:

Not necessary under normal use conditions.

VENTILATION:

Use normal, mechanical exhaust to maintain adequate ventilation.

PROTECTIVE GLOVES:

Wear impervious gloves if prolonged or repeated skin contact is expected.

EYE PROTECTION:

Wear ANSI approved safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT:

None necessary under normal conditions of use.

HYGIENIC PRACTICES:

WASH HANDS BEFORE EATING OR USING THE WASHROOM. SMOKE ----
IN SMOKING AREAS O N L Y .

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Use only with adequate ventilation. Avoid breathing vapor or spray mist. Do not take internally. Store in a cool, dry area. Keep away from heat, sparks and open flame. Do not expose to temperatures above 120°F. Do not transport or store below 32°F.

OTHER PRECAUTIONS:

Keep out of reach of children. Read entire label prior to use. Avoid contamination of feed and foodstuffs. Remove pets and birds and cover fish aquaria before spraying. Vacate room after treatment and ventilate before reoccupying. Do not allow children or pets to contact treated areas until dry.

SECTION X - OTHER INFORMATION

```

-----NFPA INDEX-----
HEALTH                2
FLAMMABILITY          4
REACTIVITY            0
PREPARED BY:         Heather Buck
                     Drummond American Corporation
                     600 Corporate Woods Parkway
                     Vernon Hills, Illinois 60061

```

TLV	Threshold Limit Value		
PEL	Permissible Exposure Level		
NFPA	National Fire Protection Association		
CAS	Chemical Abstract Service		
NTP	National Toxicology Program		
OSHA	Occupational Safety and Health Admin.		
IARC	International Agency for Research on Cancer		
STEL	Short Term Exposure Limit, duration is for 15 minutes		
M^3	Approximate milligrams of substance per cubic meter of air		
ND	No Data	--NFPA HAZARD INDEX--	
LEL	Lower Explosive Level	SEVERE HAZARD	4
NE	Not Established	SERIOUS HAZARD	3
PPM	Parts Per Million	MODERATE HAZARD	2

D.O.T.	Department of Transportation	SLIGHT HAZARD	1
N/A	Not Applicable	MINIMAL HAZARD	0