

MATERIAL SAFETY DATA SHEET
ESSENTIALLY SIMILAR TO OSHA FORM 174

REPELL
DA617

MATERIAL SAFETY DATA SHEET
ESSENTIALLY SIMILAR TO OSHA FORM 174

REPELL
DA6171

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

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

DATE OF PREPARATION:
03/01/94

INFORMATION TELEPHONE NUMBER:
(708) 913-9313

SECTION I - IDENTITY

PRODUCT NUMBER DA6171
PRODUCT NAME REPELL
PRODUCT CLASS SOLVENTS

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENT	CAS NUMBER	%	ACGIH TLV PPM	MG/ M ³	PEL PPM	STEL PPM
PETROLEUM DISTILLATE	5-20				5	5.00
PETROLEUM OIL MIXTURE	5-20				5	50.00
TRICHLOROETHYLENE *	79-01-6	30-70		50	269.0	200.1

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

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (degrees F): N/A
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: Clear brown liquid having a sweet odor.
Specific Gravity (Water=1): 0.89
Vapor Pressure (MMHG): 41
Solubility in Water: Negligible
Evaporation Rate (Butyl Acetate=1): >1

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: U.N. CLASSIFICATION:
OSHA CLASS PER DOT
DOT CLASS ORM PER IMCO
FLASH POINT: N/A

LEL: 2.0
UEL: 12.0

METHOD: Tag Open Cup
AEROSOL PRODUCT: Treat as cylinder of compressed gas.

EXTINGUISHING MEDIA:
FOAM CO2 DRY CHEMICAL WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS:
At elevated temperatures (over 130 degrees Fahrenheit) containers may vent, rupture or burst.

SPECIAL FIREFIGHTING PROCEDURES:
Keep containers cool. Use shielding to protect personnel against bursting, rupturing or venting containers.

SECTION V - REACTIVITY DATA

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
HAZARDOUS DECOMPOSITION PRODUCTS:
Hydrogen chloride, oxides of carbon and minute traces of phosgene and chlorine, formed upon combustion.
CONDITIONS TO AVOID:
Avoid heating to abnormal temperatures.
INCOMPATIBILITY (MATERIALS TO AVOID):
Oxidizing agents.

D.O.T. EMERGENCY RESPONSE INFORMATION:

NOT APPLICABLE

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SECTION VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

Inhalation may cause irritation of the respiratory tract, dizziness, nausea, loss of equilibrium. Chronic inhalation can result in damage to the liver and kidneys. Swallowing of the materials may result in irritation of the mouth and GI Tract.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION

MEDICAL CONDITIONS PRONE TO OVEREXPOSURE:

Preexisting skin or eye disorders may be aggravated by exposure to this product.

TARGET ORGANS AFFECTED:

Liver, Kidneys.

CARCINOGENICITY:

None of the components in this chemical are listed by IARC, NTP or OSHA as a carcinogen.

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact: Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention if irritation persists.
Skin Contact: Remove contaminated clothing. Flush skin with water, follow by washing with soap and water. Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. If ingested seek a physician.

SECTION VII - SPILL OR LEAK PROCEDURES

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

Provide ventilation. Remove sources of flame, spark or heat. Wipe up spills, then wash with a cleanser to remove final traces.

WASTE DISPOSAL METHOD:

Dispose of product in accordance with local, county, state, and federal regulations. Do not puncture or incinerate container. Do not reuse container. Wrap container and place in trash collection.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:

None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.

VENTILATION:

LOCAL EXHAUST: Hood or fan

MECHANICAL: Maintain adequate ventilation

PROTECTIVE GLOVES:

WEAR GLOVES KNOWN TO BE IMPERVIOUS TO THE INGREDIENTS FOUND IN THIS PRODUCT.

EYE PROTECTION:

SAFETY GLASSES OR GOGGLES ARE RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT:

Wear impervious clothing to prevent skin contact.

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:

Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at room temperatures above 130F.

OTHER PRECAUTIONS:

Please read and follow directions on the product label. They are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

SECTION X - OTHER INFORMATION

----NTPA INDEX----

HEALTH 3
FLAMMABILITY 0
REACTIVITY 1

PREPARED BY:

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600 Corporate Woods Parkway
Vernon Hills, Illinois 60061

Threshold Limit Value

PEL Permissible Exposure Level
NFAA National Fire Protection Association
CAS Chemical Abstract Service

ND No Data
LEL Lower Explosive Level
NE Not Established
PPM Parts Per Million

---NTPA HAZARD INDEX---

SEVERE HAZARD 4
SERIOUS HAZARD 3
MODERATE HAZARD 2

NTP National Toxicology Program
OSHA Occupational Safety and Health Admin.
IARC International Agency for Research on Cancer

D.O.T. Department of Transportation
M/A Not Applicable
M3 Approximate milligrams of substance per cubic meter of air

SLIGHT HAZARD 1
MINIMAL HAZARD 0