

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:
09/01/95

INFORMATION TELEPHONE NUMBER
(708) 913-9313

SECTION I - IDENTITY

PRODUCT NUMBER DB 1040
PRODUCT NAME BULLDOG GRIP MULTI-PURPOSE ADHESIVE & SEALANT
PRODUCT CLASS ADHESIVES

SECTION II - INGREDIENTS

INGREDIENT	CAS NUMBER	%	ACGIH		MG/ M ³	PEL PPM	STEL PPM
			TLV	PPM			
TETRACHLOROETHYLENE *	127-18-4	70-80	50	N/D	25	200	

* THIS CHEMICAL IS SUBJECT TO
S.A.R.A. TITLE III SECTION 313
REPORTING. THE REMAINING
INGREDIENTS AND THEIR
PERCENTAGES ARE PROPRIETARY.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (degrees F): 250°F

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 thickened liquid/gel with a solvent odor.
Soluble in water: negligible. Specific Gravity (water=1): 1.3
Material V.O.C.: 7.35 lb/gal (880 g/l) Vapor Pressure (mm Hg): 17

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: U.N. CLASSIFICATION:
OSHA CLASS PER DOT
DOT CLASS PER IMCO

FLASH POINT: NONE

LEL: N/A

UEL: N/A

METHOD: N/A

AEROSOL PRODUCT: N/A

EXTINGUISHING MEDIA: FOAM CO2 DRY CHEMICAL WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Product is nonflammable and nonexplosive under normal conditions of use. At high temperatures, product decomposes to give off hydrochloric acid as gas plus other toxic and irritation vapors such as phosgene. If storage containers are exposed to excessive heat, over-pressurization can result.

SPECIAL FIREFIGHTING PROCEDURE:

Wear positive pressure self-contained breathing apparatus (SCBA).
Cool fire exposed containers with water, when applicable.

SECTION V - REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARD DECOMPOSITION PRODUCTS:

Toxic/irritating gases and fumes. Hydrochloric acid, phosgene, carbon dioxide and simple hydrocarbons.

CONDITIONS TO AVOID:

Avoid extreme heat, flame or sparks. Avoid contact with aluminum equipment having confined spaces such as pump housings.

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong oxidizing agents. Avoid mixing with caustic soda or potash.

D.O.T. EMERGENCY RESPONSE INFORMATION:

NOT APPLICABLE

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SECTION VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

INHALATION: possible CNS damage with overexposure, possible respiratory tract irritant, dizziness, nausea, loss of coordination, unconsciousness and apyxia in confined poorly ventilated areas.
SKIN/EYES: Irritant. **INGESTION:** Gastrointestinal irritation. Do not induce vomiting. Prolonged chronic exposure may result in liver and kidney damage. Headache/confusion/depression/fatigue/nausea & cough.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION EYES

MEDICAL CONDITIONS PRONE TO OVEREXPOSURE:

Pre-existing eye, skin and lung conditions.

TARGET ORGANS AFFECTED:

May cause CNS depression: Skin, eye, mucous membrane irritant.

CARCINOGENICITY:

IARC lists tetrachloroethylene as having inadequate evidence in humans and limited evidence in animals to evaluate carcinogenicity.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Irrigate with water. If irritating occurs, get medical attention. **SKIN:** Wipe produce from skin and flush with water. If irritation occurs, get medical attention. **INGESTION:** If ingested, do not induce vomiting. Call a physician. Give 1-2 glasses of water. (Gastric lavage may be effective within 4 hours of ingestion).

SECTION VII - SPILL OR LEAK PROCEDURES

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

SMALL LEAKS: Wipe up, mop up or soak immediately. **LARGE SPILLS:** Transfer to closed metal containers. Keep out of water supply.

WASTE DISPOSAL METHOD:

Recipitate or incinerate the non-hardened product. Dispose of in accordance with local, state and federal regulations.

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SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:

If ventilation is inadequate to maintain TLV, wear a NIOSH approved air purifying organic cartridge respirator. For emergency and over-exposure, use an approved positive pressure self-contained breathing apparatus.

VENTILATION:

Adequate ventilation should be provided to keep vapor concentrations below acceptable exposure limits.

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:

LONG SLEEVES, LONG PANTS AND/OR APRON IMPERVIOUS TO THE INGREDIENTS IN THIS PRODUCT.

HYGIENIC PRACTICES:

WASH HANDS BEFORE EATING OR USING THE WASHROOM. SMOKE ONLY IN SMOKING AREAS ONLY.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Control airborne concentration below exposure level. Use only with adequate ventilation. Lethal concentrations may exist in areas with poor ventilation.

OTHER PRECAUTIONS:

Do not use in poorly ventilate or confined spaces without proper respiratory protection. Vapors are heavier than air and will collect in low areas. Use only with adequate ventilation.

SECTION X - OTHER INFORMATION

-----NFPA INDEX-----
HEALTH 3
FLAMMABILITY 1
REACTIVITY 1

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Vernon Hills, Illinois 60061

TLV	Threshold Limit Value	MD	No Data	...NFPA HAZARD INDEX
PEL	Permissible Exposure Level	LEL	Lower Explosive Level	SEVERE HAZARD 4
NFPA	National Fire Protection Association	HE	Not Established	SERIOUS HAZARD 3
CAS	Chemical Abstract Service	PPH	Parts Per Million	MODERATE HAZARD 2
NTP	National Toxicology Program	D.O.T.	Department of Transportation	SLIGHT HAZARD 1
OSHA	Occupational Safety and Health Admin.	N/A	Not Applicable	MINIMAL HAZARD 0
IARC	International Agency for Research on Cancer	M*3	Approximate milligrams of substance per cubic meter of air	
			Short Term Exposure Limit, duration is for 15 minutes	