

MSDS

MATERIAL SAFETY DATA SHEET

COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29CFR 1910.1200)

HMIS CODES: H - 2* F - 4 R - 0 P - Gnpw

===== SECTION 1 - PRODUCT IDENTIFICATION =====

PRODUCT NAME	DYNA-BUSTER	PRODUCT TYPE: Aerosol Penetrant
		DOT CLASS ORM-D Consumer Commodity
		Aerosol, 2.1, UN1950, LTD QTY
MANUFACTURED FOR: DYNACCO, INC. PO BOX 27 17461 - 147 TH ST. S.E. MONROE, WA 98272		INFORMATION PHONE: 360-794-8974
		24-HOUR EMERGENCY: CHEM-TEL (800) 255-3924
		DATE PREPARED: March 20, 2004
		REVIEW DATE: March 11, 2008

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
PETRO DISTILLATE (STRAIGHT RUN MIDDLE) Not Est.	64741-44-2	0.00386	68 F	30
SYNTHETIC ISOPARAFFINIC HYDROCARBON ACGIH TLV: Not Est OSHA PEL: Not Est Other: 100 ppm	64742-47-8	7	77	22
PROPYLENE GLYCOL MONOMETHYL ETHER ACGIH TLV: 100 ppm OSHA PEL: Not Est. Other: 150 ppm STEL	107-98-2	13	77	17
PROPANE ACGIH TLV: 1000 ppm OSHA PEL: 2500 ppm Other: Asphyxiant	74-98-6	3619	70	11
N-BUTANE ACGIH TLV: 1000 ppm OSHA PEL: Not Est Other: 1900 mg/m3	106-97-8			5
ISOBUTANE ACGIH TLV: 1000 ppm OSHA PEL: Not Est. Other: 800 ppm Asphyxiant	75-28-5			4
STODDARD SOLVENT, MINERAL SPIRITS ACGIH TLV: 100 ppm OSHA PEL: 500 ppm Other: 525 mg/m3	8052-41-3	2	68	2

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: -44 - 401 F VOC % BY WEIGHT: 91.155 MIR: 1.3895
SPECIFIC GRAVITY: .76 VAPOR DENSITY: Heavier than air.
EVAPORATION RATE: Fast (compared to n-butyl acetate) SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Solvent odor.

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: -216 METHOD USED: theoretical FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 0.7 UPPER: 13.8
EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG
SPECIAL FIREFIGHTING PROCEDURES: Evacuate all unnecessary personnel. Use full protective equipment, including self-contained breathing apparatus. Use water spray, preferably fog, to cool closed containers to prevent pressure build-up and possible explosion. Direct water stream is not recommended for oil base fires. Product may float and reignite on surface of water. Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or waterways. UNUSUAL FIRE AND EXPLOSION HAZARDS: Explosive air-vapor mixtures may form which are dangerous when exposed to heat or flame. Vapors are heavier than air and may travel along the ground, or be moved by ventilation, and ignited by pilot lights, stoves, heaters, electric motors, sparks, flame, smoking, static discharge or other ignition sources even at locations distant from material handling site. Product is propelled with flammable propellant. Contents under pressure. Exposure to heat, or prolonged exposure to sun, may cause bursting.

===== SECTION V - REACTIVITY DATA =====

STABILITY: Stable CONDITIONS TO AVOID: High temperature and humidity, ignition sources and vapor build-up.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong Oxidizing agents
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon Monoxide Carbon Dioxide Hydrocarbons
HAZARDOUS POLYMERIZATION: Will not occur.

===== SECTION VI - HEALTH HAZARD DATA AND SYMPTOMS OF EXPOSURE =====

PRIMARY ROUTE(S) OF EXPOSURE: Inhalation, skin contact.
INHALATION: Vapors and mists irritate nose, throat and lungs (burning, stinging, coughing). May cause headache, dizziness, nausea, weakness, shortness of breath and loss of coordination. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Exposure to extremely high vapor concentrations may cause unconsciousness and asphyxiation.

EYE CONTACT: Contact with liquid or vapors causes irritation (redness, watering, itching, stinging, blurred vision).

SKIN CONTACT: Contact causes severe irritation (dryness, itching, cracking, rash and swelling).

SKIN ABSORPTION: May be absorbed through the skin in harmful amounts. Symptoms may include headache, dizziness, nausea, weakness, loss of coordination. SWALLOWING: Causes nausea, vomiting and diarrhea.

CHRONIC EFFECTS FROM LONG TERM EXPOSURE: Contains ingredients suspected of causing or known to cause damage to: kidneys, liver, brain and nervous system, dermatitis or other skin disorders,

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Respiratory tract irritation, nausea, eye disorders, skin disorders, sensitization to chemical substances.

===== SECTION VII - EMERGENCY AND FIRST AID PROCEDURES =====

INHALATION: If affected by breathing odors or vapors, remove to fresh air. Get medical attention if symptoms persist.

EYE CONTACT: Immediately flush with plenty of water for 15 minutes, while lifting upper and lower eyelids. Get medical attention.

SKIN CONTACT: Immediately wash with soap and water. Remove contaminated clothing and shoes. Wash or clean thoroughly before reuse. Get medical attention if irritation persists.

SWALLOWING: In case of accidental ingestion call Poison Control Center (1-800-222-1222) or physician immediately. OTHER: Have Material Safety Data Sheet available when calling Poison Control Center (1-800-222-1222) or physician; or when going to the emergency room.

===== SECTION VIII - SAFE HANDLING AND USE INFORMATION =====

RESPIRATORY PROTECTION: Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's instructions for use. VENTILATION: USE ONLY WITH ADEQUATE VENTILATION. Provide mechanical ventilation, local exhaust or other appropriate means of ventilation to prevent vapor build-up. HAND PROTECTION: Wear gloves to avoid skin contact. EYE PROTECTION: Wear safety glasses, with side shields, designed to protect eyes against liquid splash and mists. Note: Contact lenses may contribute to the severity of an eye injury and should not be worn when working with chemicals. OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear protective clothing to avoid skin contact with liquid or mists. WORK/HYGIENIC PRACTICES: Eye washes and safety showers are recommended in the workplace. Wash hands after using and before eating, drinking or using tobacco products. Thoroughly clean contaminated clothing and shoes before reuse. Periodically monitor exposure levels to hazardous ingredients listed in section II and review permissible limits.

===== SECTION IX - SPILL AND LEAK PROCEDURES =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate ignition sources and ventilate area. Evacuate unnecessary personnel. Wear full protective equipment. Dike and contain spill with inert material. Transfer liquid to containers for disposal or recovery. Prevent material from entering storm drains or sanitary sewers and open bodies of water.

WASTE DISPOSAL METHOD: Waste material and empty containers must be disposed of in accordance with all local, state and federal environmental control regulations. Use only approved waste management facilities.

===== SECTION X - SPECIAL PRECAUTIONS =====

KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY!

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep liquid spray and vapors away from heat, sparks and flame. Turn off or remove all sources of ignition. Use proper methods of ventilation to prevent vapor build-up. Avoid spraying hot surfaces. Avoid breathing vapors, spray mists and sanding or grinding dusts. Avoid contact with eyes and skin. Do not take internally. Use adequate methods of ventilation, respiratory and personal protective equipment. Do not reuse, weld, drill or heat empty containers which may contain explosive vapors. Follow label warnings until thoroughly cleaned or sent for disposal. Do not heat, puncture or incinerate containers. Contents are under pressure and may contain explosive vapors, even when empty. Do not remove or deface label.

OTHER CAUTIONS: Contents under pressure. Do not store above 120 deg. F (50 deg. C) or permit prolonged exposure to sunlight. Protect containers from damage. Store in buildings or areas designed and protected for storage of aerosols. Do not store where contact with incompatible material could occur, even during an accidental spill or release. To avoid spontaneous combustion, soak soiled oily rags and waste in water filled metal containers.

===== SECTION XI - DISCLAIMER =====

DISCLAIMER: THE INFORMATION CONTAINED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE RELIABLE. TO THE BEST OF OUR KNOWLEDGE AND BELIEF ALL INFORMATION IS ACCURATE AND IS PROVIDED IN GOOD FAITH. HOWEVER, NO GUARANTEE OF ACCURACY IS MADE OR IMPLIED.