

MSDS

MATERIAL SAFETY DATA SHEET

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

HMIS CODES: H-3 F-3 R-0

SECTION 1 – Product Information			
PRODUCT NAME D-VANDAL		PRODUCT TYPE: Aerosol Gel Vandal Mark Remover DOT CLASS: ORM-D Consumer Commodity	
MANUFACTURER: 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: 12-4-2002		
	LATEST REVIEW: 4-23-2004		
Section 2 - Hazardous Ingredients/Identity Information			
Hazardous Components (Specific Chemical Identity: Common Names)	CAS NUMBER	OSHA PEL	ACSIH TLV
Ethanol	64-17-5	1000 ppm	1000 ppm
Toluene	108-88-3	100 ppm	50 ppm
Diethylene Glycol Monoethyl Ether	111-90-0	Not Est.	Not Est.
Ethylene Glycol Monobutyl Ether	111-76-2	50 ppm	25 ppm
n-Butyl Acetate	123-86-4	150 ppm	150 ppm
n-Methanyl-2-Pyrrolidone	872-50-4	100 ppm	100 ppm
Propane	74-98-6	1000 ppm	1000 ppm
Isobutane	75-28-5	Not Est.	800 ppm
Section 3 - Hazardous Identification			
Routes of Entry:	Inhalation? X	Skin? X	Ingestion? X Eyes? X
Potential Health Effects – Effects of Overexposure			
EYES: May cause irritation, redness, and corneal injury. SKIN: May cause drying or flaking, irritation, burning sensation. INGESTION: May cause gastrointestinal disturbances, nausea, vomiting, and diarrhea. INHALATION: Over exposure may cause nausea, dizziness, headache and upper respiratory discomfort. Medical Condition Aggravated by Exposure: Skin sensitivity, chemical allergies			
Carcinogenic Status of Ingredients: Toluene International Association for Research on Cancer (IARC) - Not classified as a Carcinogen National Toxicology Program (NTP) – Not classified as a Carcinogen; American Conference of Governmental Industrial Hygienists (ACGIH) – Not classified as a Carcinogen; Occupational Safety and Health Administration (OSHA) – Not classified as a Carcinogen; California Proposition 65 (See Section 15)			
Section 4: First Aid Measures			
EYES: Flush with water for 15 minutes. If irritation persists, seek medical attention. SKIN: Wash with soap and water. If irritation persists, seek medical attention. INGESTION: Do NOT induce vomiting in order to avoid aspiration into lungs. Seek medical attention immediately. INHALATION: Remove to fresh air. Administer oxygen if breathing is difficult Note to Physician: If lavage is performed, suggest endotracheal and/or esophageal control. Do not administer sympathomimetic drugs unless absolutely necessary.			
Section 5 – Fire Fight Measures			
Flash Point (Method Use) N/E	Flame Projection Over 18" (Flammable)	Explosive Limits: N/E	
Extinguishing Media Carbon Dioxide, Standard foam, Dry Chemical, and Halon			
Fire Fighting Instructions: Wear self-contained breathing apparatus			
Unusual Fire and Explosion Hazards Exposure to temperature above 120 degrees Fahrenheit may cause bursting.			
Hazardous Products of Combustion: May form carbon monoxide.			
Explosive Limits: Not Established		Auto-ignition Temperature: No Data	
NFPA RATING	HEALTH - 3	FLAMMABILITY - 3	REACTIVITY - 0
HMIS RATING	HEALTH - 3	FLAMMABILITY - 3	REACTIVITY - 0
Section V6 - Accidental Release Measures			
Steps to be taken in case Material is released or spilled: SMALL SPILL – Absorb liquid on vermiculite, floor absorbent or other absorbent material. LARGE SPILL – Evacuate area. Remove all sources of ignition, Contain liquid, Prevent run-off to sewer.			
Section 7 - Handling and Storage			
Precautions to be taken in handling and storage : Do not store when temperatures exceed 120 degrees Fahrenheit. KEEP OUT OF REACH OF CHILDREN. Wash hands before eating or smoking after using aerosol. National Fire Protection Association (NFPA) 30B Storage Level Number: 2			
Section 8 – Exposure Control /Personal Protection			
Respiratory Protection (Specify Type): Not required			
Stability	Unstable	Conditions to Avoid	
	Stable	X	
Ventilation:	Local Exhaust - Adequate Ventilation		Engineering Controls: - Not Required

Mechanical (<i>General</i>) General ventilation recommended to control the level of vapors. See Section 2 for TLV's			
Skin Protection: Rubber gloves. For Short Usage: None Required.		Eye Protection Safety Goggles. For Short Usage: None Required	
SECTION 9 – Physical and Chemical Properties			
Boiling Point	N/E	Specific Gravity (H2O = 1)	0.879
Vapor Pressure (mm Hg.)	55 psig	Melting Point	N/A
		PH (@ 25C)	N/A
Vapor Density (Air - 1)	> 1	Evaporation Rate	< 1
Solubility in Water	Emulsifiable	Appearance and Odor	Eggshell gel / Sweet
Section 10 – Stability and Reactivity Data			
Hazardous Decomposition: Will not decompose			
Hazardous	May Occur	Conditions to Avoid	
Polymerization	Will Not Occur	X	
Chemical Stability	Stable	Incompatibility	Avoid contact with strong oxidizing agent
Section 11 – Toxicological Information			
Not determined for the product by any route of entry.			
Section 12 – Ecological Information			
No Data			
Section 13 – Disposal Consideration			
Waste Disposal Method: Dispose of in accordance with State, Federal and Local regulations. Wrap empty container in paper and place in trash.			
Work/Hygienic Practices Wash with soap and water after use.			
Section 14 – Transport Information			
Dept of Transportation (DOT) Information -49 Code of Federal Regulation (CFR) 172.101			
DOT Description:		Consumer Commodity	
DOT Hazard Class:		Other Regulated Material (ORM-D)	
Container/Mode:		20 Oz. Aerosol Can	
United Nations Identification (UN ID) Number: 1950			
Section 15 – Regulatory Information			
US FEDERAL REGULATIONS: Percent			
VOC's (Volatile Organic Compounds).....:		74.9 %	
TSCA (Toxic Substances Control Act) Status: All ingredients are listed that require listing			
CERCLA RQ (Comprehensive Environmental Response, Compensation, and Liability Act) (Reportable Quantity) -40 CFR (Code of Federal Regulations) 302.4: Not applicable to aerosol quantities			
SARA (Superfund Amendments & Reauthorization Act) 313 Ingredient (s) -40 CFR 372.65			
Ingredients:		Percent	
1. Toluene		15-25	
2. Diethylene Glycol Monoethyl Ether		10-20	
3. Ethylene Glycol Monobutyl Ether		5-10	
4. n-Methyl-2-Pyrrolidone		2-5	
5. n-Butyl-Acetate		2-5	
STATE AND LOCAL REGULATIONS: California Proposition 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic enforcement Act of 1986. WARNING: this product contains a chemical known to the State of California to cause birth defects or other reproductive harm.			
Section 16 - Other information			
The information contained herein is based on the data available to use and is believed to be correct. However, Dynacco makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Dynacco assumes no responsibility for injury for the use of the product described herein.			
Ingredients are listed in Section 2 if they present a physical or health hazard and are present at or above 1.0% in mixture. If a ingredient is identified as a CARCINOGEN by NTP, IARC, OR OSHA as of the date of the MSDS, it will be listed in Section 3 when present at or above 0.1% in the product. Negative conclusions concerning carcinogenicity are not reported. Other ingredients may be listed if deemed appropriate. Additional health information may be found in Section 3.			