

HEAVY DUTY STRIPPER

FLOOR FINISH REMOVER

HEAVY DUTY STRIPPER is a fast-acting rinse-free type stripper. It removes excessive build-up of finish, wax and sealer. Generally no rinsing is required however if time permits a quick "trail" rinse to pick up squeegee streaks and into corners is suggested. Concentrated for better in-use economy. Low odor and easy to use.

DIRECTIONS FOR USE

FLOOR PREPARATION:

1. Remove all furniture from area to be stripped.
2. Dust mop floor area, pick up and discard debris.
3. Put out wet floor signs.

APPLICATION: DO NOT USE UNDILUTED.

1. Dilute **HEAVY DUTY STRIPPER** accordingly with cold water:

Normal Build-up: 1:5

Heavy Build-up: 1:1

Auto Scrubber: 1:10

2. Apply liberally with mop to floor. Be sure to leave surface very wet. Allow to stand 5-10 minutes.
3. Use floor machine/automatic scrubber with black stripping pads. Scrub entire area thoroughly.
4. Pick up solution using a wet/dry vacuum, auto scrubber or a mop.
5. Rinsing is normally not necessary, however if time permits a quick rinse will assure proper adhesion of seal or finish.

TOP COATING:

1. Apply the proper seal/floor finish per label directions.

Reorder # HDS 180

TECHNICAL DATA

Form: Liquid
Color: Clear
Specific Gravity: 0.98
pH: 12.0 - 13.0
Density @ 75°F: 8.13 lbs./gal
Freeze/Thaw: Yes
Stability: 1 Year Min.
Solvent: 2-Butoxyethanol

HMIS RATING

F1 AMMABILITY
HEALTH 2
FLACTIVITY 0
PERSONAL PROTECTION B



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MATERIAL SAFETY DATA SHEET

Date Prepared: 05-05-06 By Charles D. Werner

SECTION 1 – PRODUCT IDENTIFICATION			
Manufactured For: Sac Val Janitorial Sales & Service		Emergency Phone No: 1-800-228-5635 ext. 059	
Address: 2421 Del Monte Street W. Sacramento, CA			
Trade Name: HEAVY DUTY STRIPPER		Product Type: Low Odor Floor Stripper	
Product Code: FLSLOSXR		Formula:	
SECTION 2 – HAZARDOUS INGREDIENTS			
Chemical Name/Common Name:	CAS NO.	PERCENT (optional)	TLV (Source)
*Ethanol 2(2-Butoxyethoxy)	112-34-5	20-30	None established
* 2 Butoxyethanol LD50 (oral-rat) 470 mg/kg, LD50 (skin-rab) 220 mg/kg, LC50 (rat) 700ppm	111-76-2	8	25 skin (OSHA)
* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of CFR 372.			
Monoethanolamine	141-43-5	2-7	3 MG/M3(osh, acgih)
Potassium Hydroxide	1310-58-3	2-7	2 MG/M3
SECTION 3 – PHYSICAL DATA			
Boiling Point: (F) 212		Specific Gravity: (H2O = 1.0) 1.019 pH: 12.0 – 13.0	
Vapor Pressure: (mmHg) Not Determined		Vapor Density: Heavier than air	
Solubility in Water: Complete			
Evaporation Rate (vs. ether) Slower			
Appearance and Odor: Clear, Liquid, non-viscous, faint sweet odor			
SECTION 4 – FIRE AND EXPLOSION HAZARD DATA			
Flash Point (T.C.C.): NONE			
Extinguishing Media: Foam, Co2, Dry Chemical, Water Fog		No special procedures required.	
Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.			
Unusual Fire and Explosion Hazards: NOTHING SPECIAL.			
SECTION 5 – REACTIVE DATA			
Stability: Stable		Incompatibility: Acids, strong oxidizers, many organic chemicals, and organic acids	
Hazardous Decomposition Products: May liberate carbon monoxide and carbon dioxide. Unidentified organic compounds may be formed during combustion.			
SECTION 6 – HEALTH HAZARDS			
Threshold Limit Value - Product (See Section 2 for Ingredient TLV) None Established			
Primary Routes of Exposure: Eye - yes Skin-YES Oral-yes Inhalation-yes Other			
Signs and Symptoms of Over-exposure (Acute): EYES: Liquid, and mists are irritating. Liquid and mists may damage the eyes. INHALATION: The glycol ether in this product has low evaporation rate and should not pose a problem with diluted with cold water. If vaporized with hot water, breathing small amounts of during normal handling is not likely to cause harmful effects. Breathing large amounts -- vapors and mists can be harmful to the nose, throat, and mucous membranes. Irritation, coughing, chest pain, and breathing difficulty may occur with overexposure. Inhalation of very high concentrations may cause headaches, nausea, and vomiting. SKIN: Liquid, and mists may burn the skin. Prolonged exposure may burn the skin. The glycol ether ins this product ls can be absorbed through the skin but unlikely to cause harmful effects under normal use. INGESTION: Liquid is irritating to the mouth and throat. Swallowing the liquid burns the tissues and may cause severe abdominal pain, nausea, and vomiting.			
Chronic Health Hazards: The Glycol ether in this product has been found to cause red blood cell damage in rats following ingestion.			
Medical Conditions Aggravated by Over-exposure: Persons with pre-existing skin disorders; impaired respiratory function may more susceptible to effects.			
Carcinogen or Suspect Carcinogen Ingredients: NTP - NO IARC - NO OSHA - NO NONE			
SECTION 7 – EMERGENCY AND FIRST AID PROCEDURES			
Eyes: Flush with immediately with lots of running water for at least 15 minutes holding eyelids open. Get medical attention.			
Skin: Immediately flush skin with lots of running water for at least 15 minutes. Remove contaminated clothing and shoes.			
Ingestion: DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep victims head below his hips to prevent his breathing vomitus into his lungs. Drink 1 to 8 glasses of water or milk to dilute. Call physician or poison control center immediately. Treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person.			
Inhalation: Get to fresh air.			
SECTION 8 – SPECIAL PROTECTION INFORMATION			
Respiratory Protection: not normally required		Ventilation Requirements: Adequate ventilation required to keep exposure under TLV.	
Protective Gloves: Recommended.		Eye Protection: Not normally required. Recommended if used overhead or misting or spraying.	
SECTION 9 – SPILL OR LEAK PROCEDURES			
Steps to be Taken if Released or Spilled: For small spills, mop or wipe up and contain. For large spills, contain by diking with absorbent material and contain. Rinse with water into sanitary sewer system. KEEP PRODUCT OUT OF SURFACE WATERS AND SOIL.			
Waste Disposal Methods: Note that the contaminates of the product must be consider when disposing. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures and comply with them.			
SECTION 10 – STORAGE AND HANDLING INFORMATION			
Precautions to be Taken in Handling and Storage: Nothing special is required. Do not mix chemicals. Keep container tightly closed when not in use.			