

MATERIAL SAFETY DATA SHEET (SUBSTITUTES FOR OSHA FORM 174): May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

PRODUCT NUMBER HB-32
IDENTITY Windshield De-Icer

Revision Date: 02/05/05

Section I

Manufacturer's Name: H&B Industries, Inc.
Address: 9758 Abernathy Ave.
Dallas, TX 75220

Telephone Numbers:
Emergency
800/535/5053
Information:
800/466/0855

HMIS CODES: REACTIVITY: 1 FLAMMABILITY: 3 HEALTH: 3 PERSONAL PROTECT: A

Section II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (All of the ingredients contained in this product are listed on the TSCA inventory.)

Name	Cas No.	OSHA PEL	ACGIH TLV	OTHER LIM
CARBON DIOXIDE	124-38-9	5000 PPM	5000 PPM	N/A
ETHYLENE GLYCOL	* 107211	N/A	100 MG/M3	N/A
ISOPROPYL ALCOHOL	67-63-0	400 PPM	400 PPM	N/A
METHYL ALCOHOL	* 67-56-1	200 PPM	250 PPM	N/A

Comment:

THIS PRODUCT CONTAINS THE TOXIC CHEMICALS MARKED WITH AN * SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR372.

Section III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A Specific Gravity (water=1) 0.82
Vapor Pressure(mm Hg) <95 Melting Point: N/A
Vapor Density(AIR=1) >1 Evaporation Rate: >1
Solubility in water: 99~ (Butyl Acetate=1) Appearance and Odor: CLEAR
SPRAY, ALCOHOL ODOR

Section IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point(Method Used):65F TCC Flammable Limits: LEL:6 UEL: 30
Extinguishing Media: STANDARD DRY CHEMICAL FIRE EXTINGUISHER Special Fire Fighting
Procedures: SELF CONTAINED BREATHING APPARATUS

Unusual Fire and Explosion Hazards: FLAMMABLE. CONTENTS UNDER PRESSURE. EXPOSURE TO TEMPERATURES ABOVE 120 F MAY CAUSE BURSTING.

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 Stability: Unstable: Conditions to avoid:
 Stable: X NONE
 Incompatability (Materials to Avoid): STRONG OXIDIZERS, STRONG ACIDS,
 STRONG BASES. MAY BE CORROSIVE TO LEAD AND ALUMINIUM.
 Hazardous Decomposition or Byproducts: FORMALDEHYDE, CARBON DIOXIDE, CARBON
 MONOXIDE
 Hazardous Polymerization: May Occur: Will Not Occur: X
 Conditions to Avoid: PRESENCE OF INCOMPATIBLE MATERIALS ANS IGNITION
 SOURCES.

Section VI: HEALTH HAZARD DATA

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 Routes of Entry: Inhalation: YES Skin: YES Ingestion:NO
 Health Hazards(Acute and Chronic):
 INHALATION: IRRITATE MUCOUS MEMBRANES, HEADACHES, NAUSEA, UNCONSCIOUSNESS.
 EYES: IRRITATION, TEARING OR BURNING. SKIN: MAY CAUSE SLIGHT IRRITAION.
 INGESTION: CONTIANS METHANOL WHICH CAUSES BLINDNESS AND CAN LEAD TO DEATH.
 Carcinogenicity: NTP:NO IARC Monographs:NO OSHA Reg:NO Signs
 and Symptoms of Exposure: SEE HEALTH HAZARDS

Medical Conditions Generally Aggravated by Exposure: NONE

Emergency and First Aid Procedures: INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION. EYES: FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. INGESTION: DO NOT INDUCE VOMITING. LIFE THREATENING. SEEK MEDICAL ATTENTION IMMEIDATELY.

Section VII: PRECAUTIONS FOR SAFE HANDLING AND USE

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 Steps to be Taken in Case Material is Released or Spilled: MOP OR WIPE UP SPILL.

Waste Disposal Method: DISPOSE OF RESIDUE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL GUIDELINES. WRAP CONTAINERS AND PLACE IN TRASH COLLECTION. DO NOT PUNCTURE OR INCINERATE CONTAINER.

Precautions to be Taken in Handling and Storing: STORE IN A COOL, DRY AREA. KEEP AWAY FROM HEAT, FLAMES OR SPARKS.

Other Precautions: N/A

Section VIII: CONTROL MEASURES

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 Respiratory Protection: NIOSH APPROVED RESPIRATOR IF OVER EXPOSURE LEVELS.
 Ventilation: Local Exhaust:ADEQUATE
 Mechanical: N/A Special: N/A Other: N/A
 Protective Gloves:N/A
 Eye Protection: SAFETY GOGGLES ARE RECOMMENDED WHENEVER CHEMICALS ARE USED. Other
 Protective Clothing or Equipment:
 N/A
 Work/Hygienic Practices:
 WASH HANDS AFTER USE

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