

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION		INFORMATION				
NFPA Rating: Health-1; Flammability-2; Reactivity-0; Special- -		HMIS Rating: Health-1; Flammability-2; Reactivity-0; Personal Protection-B				
Manufacturer's Name: H & B Industries, Inc. Address: 9758 Abernathy Ave. Dallas, TX 75220		DOT Hazard Classification: Non-Hazardous Identity (trade name as used on label): HB-12 TRUE GRIT Hand Cleaner (Orange)				
Date Prepared: 02/05/05 Prepared By: ED		MSDS Number: HB12 Revision - 2				
Information Calls: (800) 466-0855 EMERGENCY RESPONSE NUMBER: (800) 535-5053		NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA				
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ALIPHATIC PETROLEUM DISTILLATE		64742-96-7	No	500	100	d
MONOCYCLIC TERPENE		5989-27-5	No	N/E	N/E	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: N/D		Specific Gravity (H2O=1): 0.9				
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A		Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/D				
Vapor Density (Air = 1): N/D		Evaporation Rate (Water= 1): N/D				
Solubility in Water: Dispersible		Water Reactive: No				
Appearance and Odor: Thick, orange gritty gel with citrus/orange fragrance.						
SECTION 3 - FIRE AND EXPLOSION						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A		Aut o	HAZARD DATA		Flammability Limits in Air by % in Volume: % LEL: N/D % UEL: N/D PROCEDURES: Oxidation & thermal decomposition fumes. Wear proper protective equipment including breathing apparatus. Cool fire-exposed containers with water.	
FLASH POINT AND METHOD USED (non-aerosols): >200°F TCC			Ignition Temperature N/D			
EXTINGUISHER MEDIA: Water fog, foam, dry chemical, CO2. Do not use a direct stream of water.		SPECIAL FIRE FIGHTING				
Unusual Fire & Explosion Hazards: Oxidation & thermal decomposition can result		can result in noxious & toxic NIOSH approved self-contained				
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY [X] STABLE [] UNSTABLE		HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR				
Incompatibility (Mat. to avoid): Strong oxidizing agents, acids, alkalis.		Conditions to Avoid: Hot surfaces, sparks, open flames.				
Hazardous Decomposition Products: Oxides of carbon and nitrogen, unidentified organic compounds.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: [] INHALATION [] INGESTION [] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS						
ACUTE EFFECTS: Overexposure can lead to CNS depression, producing headaches, dizziness, nausea and loss of consciousness.						
Inhalation: Vapors of hot product may be slightly irritating to mucous membranes in high concentrations or after prolonged exposure at lower concentrations.						
Eye Contact: Slight to moderate eye irritation depending on exposure.			Skin Contact: Prolonged or repeated contact may result in irritation.			
Ingestion: May result in vomiting. Aspiration into lungs could cause chemical pneumonitis, pulmonary edema.						
CHRONIC EFFECTS: None known.						
Medical Conditions Generally Aggravated by Exposure: Pre-existing dermatitis may be aggravated.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with water for 15 minutes. If irritation persists, get medical attention.						
Skin Contact: Wash off with water. If persistent irritation occurs, get medical attention.						
Inhalation: Remove to fresh air. If serious symptoms develop, get medical attention.						
Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration into lungs.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): None required under normal handling, storage and use conditions.						
Protective Gloves: None required.			Eye Protection: None required.			
Ventilation Requirements: Normal ventilation is adequate under normal conditions of handling, storage and use.						
Other Protective Clothing & Equipment: None normally required.						
Hygienic Work Practices: Wash hands after handling and before eating, drinking, smoking or using restroom.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken if Material Is Spilled Or Released: Do not contaminate sewers, ground waters or surface waters. Place in properly labeled, sealed, non leaking containers for proper disposal as hazardous waste.						
Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations.						
Precautions To Be Taken In Handling & Storage: Store in original shipping containers. Keep closed when not in use. Protect from extreme heat & cold. Shelf life one year.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.						

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only