

MATERIAL SAFETY DATA SHEET

CHEMCO INDUSTRIES, INC.
5731 Manchester Ave., St. Louis, MO 63110



DATE OF ISSUE: January, 05, 2006

GENERAL INFORMATION # : 314-647-1888
EMERGENCY TELEPHONE # : (800) 854-4236

I-PRODUCT IDENTIFICATION

PRO-BAT

PRODUCT CODE: #185

CHEMICAL FORMULATION: BATTERY TERMINAL CLEANSER

NFPA HAZARD IDENTIFICATION SYSTEM:

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - HAZARDOUS INGREDIENTS

Hazardous Components (Specific Chemical Identity; Common Name (s))	CAS No.	OSHA PEL	ACGIH TLV	Other Limits	
				Recommended	% optional
ALIPHATIC HYDROCARBON	64742-96-7	500ppm	100ppm		
PROPANE	74-98-6	1000ppm	1000ppm		
ISOBUTANE	75-28-5	N/A	800ppm		

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit

N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III/ List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III/ List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - PHYSICAL DATA

BOILING POINT (°f): N/A	MELTING POINT:
VAPOR PRESSURE (@ 25C): 50psig	SPECIFIC GRAVITY (WATER = 1): 1.01
VAPOR DENSITY (AIR=1) >1	VOC CONTENT (% by weight):
SOLUBILITY IN WATER: SOLUBLE	EVAPORATION RATE (Water = 1): <1
	pH (@25C) 8.0
APPEARANCE AND ODOR: WHITE-SWEET ODOR	

IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (°F): N/A

(TEST METHOD):

FLAMMABLE LIMITS: N/E

UPPER:

LOWER:

EXTINGUISHING MEDIA: CO2, STANDARD FOAM, DRY CHEMICAL, HALON.

SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARD: EXPOSURE TO TEMPERATURES OVER 120 DEGREES F MAY CAUSE BURSTING OR VENTING. HEAT OR FIRE MAY CAUSE HAZARDOUS FUMES: CARBON MONOXIDE.

V - REACTIVITY DATA

STABILITY:	STABLE
INCOMPATIBILITY:	OXIDIZING MATERIALS
CONDITIONS TO AVOID:	OXIDIZING MATERIALS
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	OPEN FLAMES MAY PRODUCE CARBON MONOXIDE
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
CONDITIONS TO AVOID:	SOURCES OF HEAT

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PRO-BAT

PRODUCT CODE: #185

VI - HEALTH AND HAZARD DATA

ROUTES OF ENTRY: INHALATION? YES SKIN? YES INGESTION? YES EYES? YES

HEALTH HAZARDS (ACUTE AND CHRONIC)

TOXICITY INFORMATION IS NOT AVAILABLE FOR THESE FINISHED PRODUCTS. THIS HEALTH HAZARD ASSESSMENT IS BASED ON INFORMATION AVAILABLE FOR THE COMPONENTS IN THE FINISHED PRODUCT.

THRESHOLD LIMIT VALUE: N/E

OSHA & ACGIH: N/R

CARCINOGEN - NTP & IARC PROGRAM: NOT CONSIDERED A CARCINOGEN

SYMPTOMS OF EXPOSURE - EYES: MAY CAUSE IRRITATION, BURNING SENSATION, AND WATERING.

SKIN: MAY CAUSE ITCHING, DRYNESS, REDNESS, OR IRRITATION

INGESTION: NAUSEA, HEADACHE, VOMITING

INHALATION: LARGE AMOUNTS OF VAPORS MAY CAUSE NAUSEA, OR DIZZINESS.

CHRONIC EFFECTS OF OVERDOSE: UNKNOWN

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: SKIN SENSITIVITY, CHEMICAL ALLERGIES

EMERGENCY FIRST AID

IF IN EYES FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION

IF ON SKIN WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION

IF INGESTED DO NOT INDUCE VOMITING. CALL PHYSICIAN AT ONCE

IF INHALED REMOVE TO FRESH AIR

VII - SPILL AND LEAK PROTECTION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION. DIKE AREA IF POSSIBLE FOR MATERIAL RECOVERY. SMALL QUANTITIES MAY BE ABSORBED WITH ABSORBENT MATERIALS.

WASTE DISPOSAL METHOD: DISPOSE OF IN A MANNER APPROVED BY LOCAL, STATE AND FEDERAL REGULATIONS AS WELL AS EPA STANDARDS.

VIII - SPECIAL PROTECTION INFORMATION

VENTILATION: Local Exhaust: Mechanical (General): Special: OTHER:

RESPIRATORY PROTECTION:

PROTECTIVE GLOVES: RUBBER GLOVES. FOR SHORT USAGE NONE REQUIRED

EYE PROTECTION: SAFETY GOGGLES. FOR SHORT USAGE NONE REQUIRED

OTHER PROTECTIVE EQUIPMENT: NONE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DO NOT STORE WHERE TEMPERATURES EXCEED 120 DEGREES FAHRENHEIT.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN

WORK/HYGIENIC PRACTICES

REVISION DATE: January 05, 2005

Prepared By:

DATE OF ISSUE: January 05, 2005

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Chemco Industries assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material such vendees or users assume all risks associated with the use of this material.