

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : BATT 1000 BATTERY CLEANER
 IDENTIFICATION NUMBER: 0637-D A-3045 DATE PRINTED: 10/30/09
 PRODUCT USE/CLASS : BATTERY CLEANER

MANUFACTURED FOR:
 FPPF CHEMICAL CORP.
 117 WEST TUPPER STREET
 BUFFALO, NY 14201
 INFORMATION: 716 856-9607
 FAX: 716 856-0750

EMERGENCY TELEPHONE: 800 424-9300 EMERGENCY AGENCY: CHEMTREC
 24 HOURS 1-800-424-9300 (24 HOURS)

PREPARER: CUSTOMER SERVICE, PHONE: , PREPARE DATE: 10/30/09

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WEIGHT %
01	PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	10-20
02	TRIETHANOLAMINE	102-71-6	1-10

ITEM	EXPOSURE LIMITS				COMPANY	SKIN
	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING		
01	1000 PPM	N.E.	800 PPM	N.E.	N.E.	YES
02	5 MG/M3	N.E.	N.E.	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***: Causes eye irritation. CONTENTS UNDER PRESSURE!

EFFECTS OF OVEREXPOSURE - EYE CONTACT: CONTACT WITH EYES MAY CAUSE

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SECTION 3 - HAZARDS IDENTIFICATION

IRRITATION.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material. PROLONGED CONTACT WITH LIQUID MAY CAUSE SLIGHT TEMPORARY IRRITATION. Prolonged exposure not likely to cause significant skin irritation. Repeated exposure may cause irritation and possibly a burn.

EFFECTS OF OVEREXPOSURE - INHALATION: Not expected to be harmful if inhaled. At room temperature, exposure to vapor is minimal due to low volatility. Vapor from heated material may cause respiratory irritation.

EFFECTS OF OVEREXPOSURE - INGESTION: Ingestion is not considered to be a hazard encountered in normal industrial use. Product has expected low level of acute toxicity based on data from similar products.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: The IARC, NTP and OSHA do not list this product as a carcinogen.

Triethanolamine contains less than 1% diethanolamine. Preliminary findings from a chronic diethanolamine skin painting study include liver and kidney tumors in mice. No tumors were observed in rats. The significance of these findings will be evaluated when further information is released by NTP. A number of factors may have influenced the results and are being considered in their interpretation.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION INGESTION EYE CONTACT

SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT: Holding eyelids open, flush eyes with running water. Remove contact lenses if wearing and flush open eyes with running water for at least 15 minutes. Seek medical attention.

FIRST AID - SKIN CONTACT: Wash with soap and large amounts of water. Remove contaminated clothing. Get medical attention if irritation develops or persists. Wash contaminated clothing before re-use.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: No emergency medical treatment necessary.

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SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: -104.4*
(PENSKY-MARTENS C.C.)

LOWER EXPLOSIVE LIMIT: 1.3 %
UPPER EXPLOSIVE LIMIT: 10.0 %

*FLASH POINT OF PROPELLANT ALONE. PRODUCT IS CLASSED AS NON-FLAMMABLE AEROSOL BY FLAME EXTENSION AND ENCLOSED SPACE TESTING.

AUTOIGNITION TEMPERATURE: ND

EXTINGUISHING MEDIA: ALCOHOL FOAM CO2 DRY CHEMICAL WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

SPECIAL FIREFIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Keep containers and surroundings cool with water spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use recommended personal protective equipment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 7 - HANDLING AND STORAGE

AEROSOL LEVEL: 1

HANDLING: Wash thoroughly after handling.

STORAGE: Keep away from heat, sparks and flame. Keep from freezing. Keep container closed when not in use. DO NOT STORE IN ALUMINUM, FIBERGLASS, COPPER, BRASS, ZINC, OR GALVANIZED CONTAINERS. KEEP OUT OF THE REACH OF CHILDREN!

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Wear impervious protective clothing, including boots, gloves, protective apron or coveralls to prevent skin contact. The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Nitrile gloves are recommended.

EYE PROTECTION: Wear safety glasses with side shields or goggles when using this product.

OTHER PROTECTIVE EQUIPMENT: STANDARD INDUSTRIAL CLOTHING STANDARDS SHOULD BE FOLLOWED.

HYGIENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES
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BOILING RANGE	: -24.4 - 340 C	VAPOR DENSITY	: Is heavier than air
ODOR	: SLIGHT AMINE	ODOR THRESHOLD	: ND
APPEARANCE	: REDISH AMBER	EVAPORATION RATE:	Is faster than Butyl Acetate
SOLUBILITY IN H2O	: COMPLETE	SPECIFIC GRAVITY:	0.9413
FREEZE POINT	: ND	pH @ 100.0 %	: 8-9
VAPOR PRESSURE	: ND	VISCOSITY	: ND
PHYSICAL STATE	: AEROSOL	COEFFICIENT OF WATER/OIL DISTRIBUTION:	ND
VOLATILE ORGANIC COMPOUNDS (VOCS): 1.12 lbs/gal, 134 grams/ltr			

VOC, % (wt): 14.39%

(See Section 16 for abbreviation legend)

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SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: CONTACT WITH CHLORINE OR OTHER STRONG OXIDIZING AGENTS SHOULD ALSO BE AVOIDED. Avoid elevated temperatures which can cause product to decompose. Avoid contact with strong oxidizing agents. Keep product away from temperatures in excess of 120F (49C). Do not crush, puncture or incinerate container. Do not expose to direct sunlight or store where temperatures could exceed 120F. Avoid contact with nitrites. Avoid contact with halogens and halogenated hydrocarbons.

INCOMPATIBILITY: AVOID CONTACT WITH STRONG OXIDIZERS. Halogens.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON, NITROGEN.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

PRODUCT LD50: >2000 mg/kg

PRODUCT LC50: 900 ppm

COMPONENT TOXICOLOGICAL INFORMATION:

----- CHEMICAL NAME -----	----- LD50 -----	----- LC50 -----
PROPANE/ISOBUTANE/N-BUTANE	NE	658000 MG/M3/4HRAT
TRIETHANOLAMINE	>2000 MG/KG/RAT	N.E.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Product is expected to be readily biodegradable. No appreciable bioaccumulation is expected in the environment.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

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SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: CONSUMER COMMODITY

DOT TECHNICAL NAME:

DOT HAZARD CLASS:

HAZARD SUBCLASS:

DOT UN/NA NUMBER:

PACKING GROUP:

RESP. GUIDE PAGE:

DOT EXEMPTIONS:

DOT SPECIAL INSTRUCTIONS:

IMDG SHIPPING INFORMATION: UN1950

IMDG PROPER SHIPPING NAME: AEROSOLS

IMDG TECHNICAL NAME:

IMDG HAZARD CLASS: 2.2

HAZARD SUBCLASS:

PACKING GROUP:

FLASH POINT, C: NA

IMDG EXEMPTIONS: LIMITED QUANTITY

IMDG SPECIAL INSTRUCTIONS:

MARINE POLLUTANT (YES/NO): N

IATA SHIPPING INFORMATION: UN1950

IATA PROPER SHIPPING NAME: AEROSOLS, NON-FLAMMABLE

IATA TECHNICAL NAME:

IATA HAZARD CLASS: 2.2

HAZARD SUBCLASS:

PACKING GROUP:

IATA EXEMPTIONS: LIMITED QUANTITY

IATA SPECIAL INSTRUCTIONS:

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SECTION 14 - TRANSPORTATION INFORMATION

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD PRESSURIZED
GAS HAZARD

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME ----- CAS NUMBER WT/WT % IS LESS THAN
No SARA Section 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME ----- CAS NUMBER
No information is available.

U.S. STATE REGULATIONS: AS FOLLOWS -

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

----- CHEMICAL NAME -----	CAS NUMBER
WATER	7732-18-5
SODIUM BICARBONATE	144-55-8

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SECTION 15 - REGULATORY INFORMATION

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME -----	CAS NUMBER
WATER	7732-18-5
SODIUM BICARBONATE	144-55-8

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- CHEMICAL NAME -----	CAS NUMBER
No Proposition 65 chemicals exist in this product.	

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: A,D2B

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 10/30/09

REASON FOR REVISION: UPDATE PHYSICAL CHARACTERISTICS, AEROSOL LEVEL, TRANSPORTATION INFORMATION.

LEGEND: N.A. - Not Applicable, N.E. - Not Established,
N.D. - Not Determined

*** THIS MSDS IS NOT FOR REPRODUCTION OR DISTRIBUTION ***

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

<END OF MSDS>