

MATERIAL SAFETY DATA SHEET
(Complies with OSHA Communication Standard 29CFR 1910.1200 Dept. of Labor.)

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



TM2152 Battery Cleaner and Leak Detector

Revision Date: 10/9/96 -

MANUFACTURER/SUPPLIER'S NAME:

OEC CORP PO BOX 1069 MEDINA, OH 44258 1-800-535-5053 330-725-0001 E.R.#

PRODUCT CAS REG NO.	COMPOSITION/ WGT. %	APPROX. TWA	ACGIH TLV		OSHA PEL	
			STEL	TWA	STEL	UNITS
Deionized Water 7732-18-5	80-90	NA	NE	NA	NE	NA
Isobutane 75-28-5	1-10 PPH	na	na	na	na	na
Sodium Bicarbonate 144-38-8	1-10	NE	NE	NE	NE	NA
Triethanolamine 102-73-6	1-10	5	NE	NE	NE	mg/m3
2-Butoxyethanol 111-76-2	1-10	25 skin	NE	50 skin	NE	ppm

Additional Component Information:

NA

HEALTH HAZARD DATA (ACUTE AND CHRONIC)

MAY CAUSE DIZZINESS OR NARCOSIS IN HIGH VAPOR CONCENTRATIONS. WILL CAUSE DEFATTING OF SKIN. EFFECTS ARE REVERSIBLE. LONG TERM EXPOSURE (YEARS) TO HIGH CONCENTRATIONS OF VAPOR MAY CAUSE LUNG, LIVER OR KIDNEY DAMAGE. THE SOLVENTS LISTED HAVE BEEN REPORTED TO AFFECT THE CENTRAL NERVOUS SYSTEM. ASPIRATION HAZARD IF SWALLOWED. EYE AND SKIN IRRITANT. MAY IRRITATE RESPIRATORY TRACT. DELIBERATELY CONCENTRATING AND INHALING THE VAPOR OF THE CONTENTS MAY BE HARMFUL OR FATAL.

OTHER:

2-BUTOXYETHANOL MAY CAUSE CORNEAL INJURY AND BLOOD ABNORMALITIES, MAY BE ABSORBED THROUGH THE SKIN WITH TOXIC EFFECTS, AND MAY CAUSE DAMAGE TO SPLEEN AND TESTES. CAN BE ABSORBED IN TOXIC AMOUNTS.

CARCINOGENICITY:

SEE REGULATORY SECTION

FIRST AID

GIVE OXYGEN. DO NOT INDUCE VOMITING. WASH EYES AND SKIN WITH WATER FOR 15 MINUTES. GET MEDICAL HELP.

ROUTES OF ENTRY

INGESTION, INHALATION, SKIN

SIGNS AND SYMPTOMS OF OVEREXPOSURE

INHALATION - DIFFICULTY IN BREATHING. SKIN - REDNESS. INGESTION - VOMITING.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

HEART DISEASE, RESPIRATORY DISORDERS

BOILING POINT	-11.7F to 212F
VAPOR PRESSURE AT 70F	45
VAPOR DENSITY (AIR=1)	4.0
EVAP. RATE (BUTYL ACETATE=1)	<1
SPECIFIC GRAVITY (WATER=1)	0.9
SOLUBILITY	SoIuble
APPEARANCE	Yellow
ODOR	Solvent
PH:	Not Applicable

9127BC



CLEANER BATTERY SPRAY | 11/14/2000 | R11B04S02

STABILITY:	STABLE
INCOMPATIBILITY:- acrylates, organic halides, zinc.	reactive metals strong acids and bases strong alkalis Strong oxidizers aldehydes, ketones,
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:-	Carbon dioxide. sodium carbonate, nitrogen compounds.
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR

CALIFORNIA PROPOSITION 65:	
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.	
OZONE DEPLETING SUBSTANCES:	
None	
HMIS:	
FLAMMABILITY 4 , REACTIVITY 0 , HEALTH 2	
NFPA:	
FLAMMABILITY 4 , REACTIVITY 0 , HEALTH 2	
SARA 313 TITLE III - TOXIC CHEMICALS LIST:	
2-Butoxyethanol (CAS 111-76-2)	
DOT SHIPPING NAME:	
Consumer Commodity, ORM-D	

Respiratory Protection Equipment

Use NIOSH approved respirator if TLV limit is exceeded.

VENTILATION:

Local exhaust - yes

PROTECTIVE GLOVES:

None required if spraying.

EYE AND FACE PROTECTION:

Safety glasses.

OTHER PROTECTIVE EQUIPMENT:

Long Sleeves and Long pants

SAFE HANDLING

Do not smoke while using. Wash hands after use.

FLASH POINT -160°F C CLOWER EXPLOSION LIMIT : 1.9UPPER EXPLOSION LIMIT : 8.5EXTINGUISHING MEDIA:- Water fog, carbon dioxide, foam, dry chemicalUNUSUAL FIRE AND EXPLOSION HAZARDS:- Heated cans may burst.SPECIAL FIRE FIGHTING PROCEDURES Keep containers cool. Use equipment or shielding required to protect against bursting or venting containers.SPILL PROCEDURES: Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.WASTE DISPOSAL METHODS: Dispose as hazardous waste in accordance with EPA RCRA.PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep away from heat, sparks, or open flame. Store at temperatures below 120°F.OTHER INFORMATION: When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.

NFPA JOB LEVEL:

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