

# MATERIAL SAFETY DATA SHEET

Revision Date: 09-08-2012

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** WINZER BATTERY CLEANER & ACID DETECTOR

**Product Number:** 891.4526081  
**MSDS Number:** 891.4526081.7

**Product Use:** Battery Cleaner

**Manufactured For:** Winzer Corporation  
4060 E. Plano Pkwy  
Plano, TX 75074

**Contact Phone:** 800-527-4126

**Emergency Phone Number:** INFOTRAC (800) 535-5053

## Section 2: COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	%
PROPANE/ ISOBUTANE/ N-BUTANE	68476-86-8	10-30
TRIETHANOLAMINE	102-71-6	1-5
2-BUTOXYETHANOL	111-76-2	0.1-1

## Section 3: HAZARDS IDENTIFICATION

*This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.*

**EMERGENCY OVERVIEW:** Irritating to respiratory system. Irritating to skin. Irritating to Eyes.  
Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Contents under pressure

**POTENTIAL HEALTH EFFECTS**  
**PRINCIPLE ROUTES OF EXPOSURE** Eye contact. Skin contact. Inhalation.

**POTENTIAL HEALTH EFFECTS:**

**EYES:** Irritating to eyes.

**SKIN:** Irritating to skin. Prolonged skin contact may defat the skin and produce dermatitis. May cause frostbite

**INGESTION:** Irritating to respiratory system. Avoid breathing vapors or mists. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

**INHALATION:** Not an expected route of exposure. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC EFFECTS: Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis.

MAIN SYMPTOMS: Prolonged skin contact may defat the skin and produce dermatitis.

AGGRAVATED MEDICAL CONDITIONS: No information available.

INTERACTIONS WITH OTHER CHEMICALS: Oxidizing agents.

ENVIRONMENTAL HAZARD: See Section 12 for additional Ecological Information.

**Section 4: FIRST AID MEASURES**

EYE CONTACT: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/ advice.

SKIN CONTACT: Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Get medical attention immediately if symptoms occur.

INHALATION: Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.

INGESTION: Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

**Section 5: FIRE FIGHTING MEASURES**

FLAMMABLE PROPERTIES: Not flammable as dispensed. Vapor is flammable under some conditions.

SUITABLE EXTINGUISHING MEDIA: Foam. Dry chemical. Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>).

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides.

EXPLOSION DATA SENSITIVITY TO STATIC DISCHARGE: No information available.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Containers can build up pressure if exposed to heat (fire). Keep containers and surrounding areas cool with water spray.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA HAZARD CLASSIFICATION: HEALTH: 1 FLAMMABILITY: 4 REACTIVITY: 0 OTHER:

HMIS HAZARD CLASSIFICATION: HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 2 PROTECTION: B

**Section 6: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS: Ensure adequate ventilation. For personal protection see section 8.

ENVIRONMENTAL PRECAUTIONS: Do not flush into surface water or sanitary sewer system.

METHODS FOR CONTAINMENT: Prevent further leakage or spillage if safe to do so.

METHODS FOR CLEANING UP: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

**Section 7: HANDLING AND STORAGE**

ADVICE ON SAFE HANDLING: Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapors or spray mist. Do not ingest. Keep away from heat, sparks and open flame. No smoking. Wash thoroughly after handling.

TECHNICAL MEASURES/  
STORAGE CONDITIONS: Keep out of the reach of children. Incompatible with oxidizing agents.

AEROSOL STORAGE LEVEL: 1

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

EXPOSURE GUIDELINES:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
TRIETHANOLAMINE 102-71-6	TWA: 5 mg/m <sup>3</sup>		
2-BUTOXYETHANOL 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
DIETHANOLAMINE 111-42-2	TWA: 1 mg/m <sup>3</sup> inhalable fraction and vapor S*	(vacated) TWA: 3 ppm (vacated) TWA: 15 mg/m <sup>3</sup>	TWA: 3 ppm TWA: 15 mg/m <sup>3</sup>

OTHER EXPOSURE GUIDELINES: Vacated limits revoked by the Court of Appeals decision in AFL-CIO vs. OSHA, 965 F.2d 962 (11th Circuit, 1992).

ENGINEERING MEASURES: Ensure adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: Safety glasses with side-shields.

SKIN AND BODY PROTECTION: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

RESPIRATORY PROTECTION: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**HYGIENE MEASURES:**

Do not eat, drink or smoke when using this product. General industrial hygiene practice. Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product. Avoid breathing vapors, mist or gas.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Amber
ODOR:	Slight amine
PHYSICAL STATE:	Aerosol
pH AS SUPPLIED:	10.9
BOILING POINT:	No information available
FLASH POINT:	No information available
FLAMMABILITY LIMITS IN AIR	
UPPER FLAMMABILITY LIMIT	No data available
LOWER FLAMMABILITY LIMIT	No data available
VAPOR PRESSURE (mmHg):	Not determined
VAPOR DENSITY (AIR = 1):	Heavier than air
SPECIFIC GRAVITY (H <sub>2</sub> O = 1):	No information available
FLAME EXTENSION W/O EXT TUBE:	0
FLAME EXTENSION WITH EXT TUBE:	N/A
FLASH BACK W/O EXT TUBE:	0
FLASH BACK WITH EXT TUBE:	N/A
VOLATILE ORGANIC COMPOUNDS (VOC):	14.05%

### Section 10: STABILITY AND REACTIVITY

STABILITY:	Stable under recommended storage conditions.
INCOMPATIBLE PRODUCTS:	Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon oxides. Fumes. Hydrocarbons.
HAZARDOUS REACTIONS	No information available.
HAZARDOUS POLYMERIZATION	Hazardous polymerization does not occur.

### Section 11: TOXICOLOGY INFORMATION

**ACUTE TOXICITY:**

**PRODUCT INFORMATION:** Causes skin, eye and respiratory tract irritation. May be harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
TRIETHANOLAMINE	4190 mg/kg (Rat)	2000 mg/kg (Rabbit) 16 mL/kg (Rat)	
2-BUTOXYETHANOL	470 mg/kg (Rat)	2270 mg/kg (Rat) 220 mg/kg (Rabbit)	2.21 mg/L (Rat) 4 h 450 ppm (Rat) 4 h

**CHRONIC TOXICITY:**

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Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis.

**CARCINOGENICITY:**

The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical Name	ACGIH	ACGIH	IARC	NTP	OSHA
TRIETHANOLAMINE			Group 3		
2-BUTOXYETHANOL		A3	Group 3		

**ACGIH: (American Conference of Governmental Industrial Hygienists)**  
A3 - Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**  
Group 3 - Not Classifiable as to Carcinogenicity in Humans

**TARGET ORGAN EFFECTS:**

None known.

**Section 12: ECOLOGICAL INFORMATION**

**ECOTOXICITY:**

The environmental impact of this product has not been fully investigated.

**Section 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHODS:**

Dispose of in accordance with federal, state, and local regulations.

**CONTAMINATED PACKAGING:**

Do not re-use empty containers.

**Section 14: TRANSPORTATION INFORMATION**

**DOT GROUND:**

CONSUMER COMMODITY ORM-D or LIMITED QUANTITY

**IATA:**

UN1950, AEROSOLS, 2.2,LTD. QTY.

**IMDG:**

UN1950, AEROSOLS, 2.2,LTD. QTY.

**Section 15: REGULATORY INFORMATION**

**INTERNATIONAL INVENTORIES:**

TSCA	TSCA	ENCS	-
DSL	COMPLIES	IECSC	COMPLIES
NDSL	COMPLIES	KECL	COMPLIES
EINECS	-	PICCS	COMPLIES
ELINCS	-	AICS	COMPLIES

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
PROPANE/ ISOBUTANE/	Present	X	Not listed	270-705-8	Not listed	X	Not listed	KE-28192	X	X

N-BUTANE										
TRIETHANOLAMINE	Present	X	Not listed	203-049-8	Not listed	X	(2)-308	KE-25940	X	X
2- BUTOXYETHANOL	Present	X	Not listed	203-905-0	Not listed	X	(7)-97 (2)-407	KE-04134	X	X

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/ EU List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

U.S. FEDERAL REGULATIONS

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 HAZARD CATEGORIES

Acute Health Hazard no  
 Chronic Health Hazard no  
 Fire Hazard no  
 Sudden Release of Pressure Hazard no  
 Reactive Hazard no

U.S. STATE REGULATIONS

CALIFORNIA PROPOSITION 65

This product contains the following Proposition 65 chemicals: Any Proposition 65 chemical listed below is present in trace quantities of less than 0.00005%

Chemical Name	California Prop. 65
ETHYLENE OXIDE	Carcinogen Developmental Female Reproductive Male Reproductive
1,4-DIOXANE	Carcinogen

U.S. STATE RIGHT-TO-KNOW REGULATIONS:

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
TRIETHANOLAMINE	X	X	X		
2-BUTOXYETHANOL	X	X	X	X	X

INTERNATIONAL REGULATIONS

Chemical Name	Carcinogen Status	Exposure Limits
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2-BUTOXYETHANOL		Mexico: TWA 26 ppm Mexico: TWA 120 mg/m <sup>3</sup> Mexico: STEL 75 ppm Mexico: STEL 360 mg/m <sup>3</sup>
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**Section 16: OTHER INFORMATION**

NOTICE: THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY WINZER CORPORATION AND WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. WINZER CORPORATION ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.