

## Material Safety Data Sheet

May be used to Comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200(q). Standard must be Consulted for specific requirements

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that

<b>Identity (As Used On Label and List)</b> <b>A1110 Screen Clean</b>	<b>Date Prepared:</b> 01-30-2012
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### Section 1 ~ Identification

<b>Manufactured for:</b> OMEGA INDUSTRIAL SUPPLY, INC	<b>Emergency Telephone Number:</b> 1-800-424-9300
<b>Address (Number, Street, City, State, and Zip Code)</b> 101 Grobriic Ct #1	<b>Telephone Number for Information:</b> 1-800-571-7347
Fairfield, CA 94534	<b>Signature of Prepare (Optional)</b> REGULATORY DEPT.

### Section 2 ~ Composition/Information on Ingredients

Components (Specific Chemical Identity, Common Name(s))	CAS No.	OSHA PEL	ACGIH-TLV	%(Wt.)
2-Butoxy Ethanol	111-76-2	50 ppm	20 ppm	
Ethyl Alcohol	67-17-5	1000 ppm	1000 ppm	
Methanol	67-56-1	200 ppm	200 ppm	
Propane/N-Butane	68476-86-8	N/A	1000 ppm	

### Section 3 ~ Hazard(s) Identification

Emergency Overview: Aerosol under pressure do not expose to high temperatures or store in direct sunlight. Temperatures over 120°F may cause can to burst.

Route(s) of Entry: Skin, eyes, ingestion, inhalation

Eyes— Irritation likely.

Skin—Mild irritation likely may cause localized defatting.

Inhalation— May cause dizziness and/or headache. Prolonged exposure may lead to unconsciousness.

Ingestion— Gastric discomfort. May cause nausea and/or vomiting, high doses may cause coma or death.

Health Hazards (Acute & Chronic): None known.

Medical Conditions Generally Aggravated by Exposure: None known.

<b>Carcinogenicity:</b>	<b>NTP?</b>	No	<b>IARC Monographs?</b>	No	<b>OSHA Regulated?</b>	No
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### Section 4 ~ First Aid Measures

Eyes— Flush with water for 15 minutes. Contact physician if irritation persist.

Skin— Wash with soap and water for 15 minutes. If irritation develops seek medical attention.

Inhalation— Move to fresh air. If not breathing administer artificial respiration.

Ingestion— Give person 2 or more glasses of water if conscious and alert. Contact physician or poison control; induce vomiting as directed by medical authority.

### Section 5 ~ Fire Fighting Measures

<b>Flash Point (Method Used)</b>	N/A	<b>Flammable Limits in Air (% by Volume)</b>	<b>LEL</b>	N/A	<b>UEL</b>	N/A
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Extinguishing Media – ABC dry chemical fire extinguisher, CO2, dry sand, limestone powder, water spray or alcohol-resistant foam.

Special Fire Fighting Procedures – Wear SCBA in fire situations is always recommended.

Unusual Fire and Explosion Hazards – Contents under pressure exposure to high temperatures above 120°F can cause bursting. Use water spray to keep containers cool.

### Section 6 ~ Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled.

Use absorbent on spill sweep to clean. Dispose in accordance with local, State and Federal laws. Small releases may be wiped up with wiping material. Wrap container and place in trash collection. Do not puncture can.

### Section 7 ~ Handling and Storage

Precautions to be Taken in Handling and Storing –

Store in cool, dry area. Do not use or store near heat or open flame. Exposure to temperatures above 120°F may cause bursting.

OTHER PRECAUTIONS: Keep away from children.

### Section 8 ~ Exposure Controls/Personal Protection

<b>Respiratory Protection (Specify Type)</b> – Not necessary if adequate ventilation is used.	<b>Ventilation</b> - Normal, forced ventilation should be adequate.	
<b>Skin Protection</b> – N/A but may use gloves if desired.	<b>Eye Protection</b> – Safety glasses are recommended when ever chemicals are used.	<b>Other protective Clothing or Equipment</b> – N/A

### Section 9 ~ Physical Chemical Properties

<b>Boiling Point</b>	> 212°F	<b>Specific Gravity (H<sub>2</sub>O = 1) @ 77°F</b>	0.99
<b>Vapor Pressure (mm/hg) @ 77°F</b>	17.5	<b>Melting Point</b>	-
<b>Vapor Density (Air=1) @ 77°F</b>	1	<b>Evaporation Rate (Butyl Acetate = 1)</b>	0.1
<b>Solubility in Water</b>	96%	<b>pH as supplied</b>	9.6
<b>Appearance and Odor</b> — Cloudy, white liquid with pleasant odor.		<b>% Volatile by Wt/by Vol @ 77°F</b>	99%

### Section 10 ~ Stability and Reactivity

Stability:	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>	Conditions to Avoid – Temperatures above 120°F	Hazardous Polymerization:	May Occur <input type="checkbox"/>	Will Not Occur <input checked="" type="checkbox"/>
Incompatibility (Materials to Avoid) – Strong oxidizers, acids, ammonia, amines, chlorates, sodium hydroxide.				Hazardous Decomposition or Byproducts – Oxides of carbon.		

### Section 11 ~ Toxicological Information

2-Butoxy Ethanol – 111-76-2; LD50 Oral (rat): 470 mg/kg/ LC50 Inhalation (rat): 450 ppm/4H, 2.21 mg/L 4hr, rat; Skin LD50 rabbit: 220 mg/kg; investigated as a tumorigen, mutagen, reproductive effector. Reproductive Toxicity: Has shown teratogenic effects in laboratory animals. Ethyl Alcohol -64-17-5 – Inhalation, mouse: LC50 = 39 gm/m3/4H; Inhalation, rat: LC50 = 20000 ppm/10H; oral, mouse: LD50 = 3450 mg/kg; Oral, rabbit: LD50 = 6300 mg/kg; Oral, rat: LD50 = 7060 mg/kg; Oral, rat LD50 = 9000 mg/kg; Teratogenicity: Oral, Human – woman: TDLo = 41 gm/kg (female 41 week(s) after conception) Effects on Newborn – Apgar score (human only) and effects on Newborn – other neonatal measures or effects and Effects on newborn – drug dependence. Reproductive Effects: Intrauterine, Human – woman: TDLo = 200 mg/kg (female 5 day(s) pre-mating) Fertility – female fertility index (e.g. # females pregnant per # sperm positive females; # females pregnant per # females mated).

### Section 12 ~ Ecological Information

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill had occurred. 2-Butoxy Ethanol – 111-76-2 – LC50/96-hour, values for fish are over 100 mg/l. This material is not expected to be toxic to aquatic life. Ethyl Alcohol – 64-17-5 – Fish: Rainbow trout: LC50 = 12900 -15300 mg/L; 96 hr; Flow-through @ 24-24.3°C Fish: Rainbow trout: LC50 = 11200 mg/L; 24 Hr; Fingerling (Unspecified) Bacteria: Phytobacterium phosphoreum: EC50 = 34900 mg/L: 5-30 min; Microtox test when spilled on land it is apt to volatilize, biodegrade, and leach into the ground water, but no data on the rates of these processes could be found. Its fate in ground water, but not data on the rates of these processes could be found. Its fate in ground water is unknown. When released into water it will volatilize and probably biodegrade. It would not be expected to absorb to sediment or bioconcentrate in fish. Environmental. When released to the atmosphere it will photodegrade in hours (polluted urban atmosphere) to an estimated range of 4 to 6 days in less polluted areas. Rainout should be significant to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life of less than 1 day.

### Section 13 ~ Disposal Considerations

**Waste Disposal Method** — Dispose of in accordance with local, State and Federal regulations.

SECTION 13 NOTES: RCRA HAZARD CLASS: Considered Non-hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

### Section 14 ~ Transport Information

US Depart. of Transportation		Water Transportation		Air Transportation	
Proper Shipping Name:	ORM-D	Proper Shipping Name:	Aerosols in Limited Quantities of Class 2	Proper Shipping Name:	Aerosols in Limited Quantities of Class 2
Hazard Class:	-	Primary Hazard Class/Division	2.2	Primary Hazard Class/Division	2.2
ID Number:	-	UN/NA Number:	1950	UN/NA Number:	1950
Packing Group:	-	Packing Group:	None	Packing Group:	None
Label Statement:	-	Label Statement:	-	Label Statement:	-

### Section 15 ~ Regulatory Information

U.S. Federal Regulation.

TSCA (Toxic Substance Control Act): All Chemicals are listed or exempt.

CERCLA (Comprehensive Response Compensation, and Liability Act): None

SARA TITLE III (Superfund Amendments and Reauthorization Act): None

311/312 Hazard Categories: 2-Butoxy Ethanol, 111-76-2, Ethyl Alcohol, 64-17-5 – Acute immediate health hazard, delayed chronic health hazard.

313 Reportable Ingredients: 2-Butoxy Ethanol, 111-76-2 – reporting threshold 1%

**State Regulations: CA: Prop 65 cancer and birth defects or reproductive harm** – This product contains no listed substances known to the State of California to cause cancer, birth defects of other reproductive harm, at levels which would require a warning under the statute.

2-Butoxy Ethanol – 111-76-2; New Jersey’s Worker RTK, Massachusetts RTK, Massachusetts spill list, Pennsylvania’s RTK, Rhode island RTK, Illinois, Florida, Minnesota.

Methanol – CAS 67-56-1 EPA Hazardous Air Pollutant

**International Regulations:** This product and its components are listed or exempt from listing, on the following:

Australia – AICS, Canada – DSL, China – IECS, European Union – EINECS, Japan – ENCS, Korea – ECL, Philippines – PICCS, United Status – TSCA, New Zealand - NzLoC

### Section 16 ~ Other Information

	NFPA	HMIS	Key
HEALTH	1	1	4= Severe
FLAMMABILITY	1	1	3= Serious
REACTIVITY	1	1	2= Moderate
OTHER/PROTECTION	-	A	1= Slight 0= Minimal

**DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate. However there is no assumption of any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this MSDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this MSDS shall be created or inferred by any statement in this MSDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use or disposal of this product which not be covered by this MSDS. The user is responsible for full compliance.