

# MATERIAL SAFETY DATA SHEET

HMIS HAZARDOUS MATERIALS

(Prepared According to 29 CFR 1910.1200)

IDENTIFICATION SYSTEM

A = Safety Glasses  
B = A + Gloves  
C = B + Apron  
D = C + Face Shield  
E = B + Dust Mask

F = C + Dust Mask  
G = B + Respirator  
H = F + Goggles  
I = B + Respirator  
X = Ask Supervisor

4 = Extreme  
3 = High  
2 = Moderate  
1 = Slight  
0 = Insignificant

Health.... 1  
Flammability.... 0  
Reactivity.... 0  
Protection.... A

## SECTION I - PRODUCT IDENTIFICATION

**Product Code: 645** Supersedes date: April 25, 2003 Section(s) changed: I Effective date: January 17, 2005

PRODUCT NAME: Z.A.P. ORANGE  
GENERIC NAME: Natural Solvent Degreaser  
DISTRIBUTORS NAME: Myers Supply, Inc.  
INFORMATION PHONE NUMBER: 501-623-7742

CHEMICAL FAMILY: Cleaner/Degreaser  
FORMULA: Proprietary Mixture  
DISTRIBUTORS ADDRESS: 831 Third St.  
Hot Springs, AR 71913

EMERGENCY PHONE NUMBER IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE OR ACCIDENT: 888-627-8740

PROPER SHIPPING DESCRIPTION: Compounds, Cleaning Liquid

LABEL: None

## SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS No.	Wt%	OSHA PEL	ACGIH TLV	OTHER
Butoxydiethylene Glycol	112-34-5	<9	NE	NE	
d-Limonene	5989-27-5		NE	NE	

This is not believed to be a hazardous material according to current Department of Labor definitions.

The information & recommendations set forth herein are presented in good faith & believed to be current & reliable. The manufacturer makes no representation as to the completeness or accuracy thereof & supplies information upon the condition that the persons receiving same will make their own determination as to its suitability for their purpose prior to use. In no event will the manufacturer be responsible for any damage of any nature whatsoever resulting from the use of or reliance upon this information. No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which it refers.

## SECTION III - PHYSICAL/CHEMICAL DATA

Boiling Point ( F): 212  
Vapor Pressure (mm Hg): 17  
Vapor Density:(Air=1): 0.62  
Evaporation Rate: (Water=1): GT 1.00  
Solubility in Water: Complete  
Physical Description: Clear Orange Thin Liquid  
Citrus Odor

Specific Gravity: 1.02  
Lbs/Gal Density: 8.5  
pH Concentrate: 8.0  
pH Use Dilution: 7.0

## SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method Used): NONE LIMITS: LEL: NA UEL: NA  
EXTINGUISHING MEDIA: Water spray or fog, foam, dry chemical, carbon dioxide, alcohol foam, if product is involved.  
SPECIAL FIRE FIGHTING PROCEDURES: Avoid exposure to fumes or vapors.  
UNUSUAL FIRE & EXPLOSION HAZARD: Combustible. Keep away from heat, sparks and open flame. Use water spray to cool adjacent fire exposed containers.

## SECTION V - REACTIVITY DATA

Stability: Stable.  
Hazardous Polymerization: Will not occur.  
Incompatibility (Materials to Avoid): Strong oxidizing agents, Anionics.  
Hazardous Decomposition Products: If burned, normal combustion products:  
Carbon Dioxide, Carbon Monoxide; Nitrous Oxides.

## SECTION VI - STORAGE & HANDLING INFORMATION

KEEP OUT OF REACH OF CHILDREN. CAUTION.  
Store upright in original closed container. Combustible.

## SECTION VII - HEALTH HAZARDS AND FIRST AID

Carcinogenicity:	NTP?	IARC Monographs?	OSHA REGULATED?
NE	NE	NE	NO

EFFECTS OF OVEREXPOSURE:  
SKIN: Irritation  
EYES: Irritation  
INGESTION: Dizziness

EMERGENCY FIRST AID PROCEDURES:  
SKIN: Rinse with water.  
EYES: Flush with flowing water for 15 minutes & see physician.  
INGESTION: Give milk or water to dilute material; DO NOT induce vomiting. Avoid alcohol. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: (Specify type) N/A  
VENTILATION: Normal room ventilation.  
PROTECTIVE GLOVES: N/A  
EYE PROTECTION: Safety glasses.  
OTHER PROTECTIVE EQUIPMENT: N/A

## SECTION IX - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Mop up & flush to sewer with plenty of water. Floors may be slippery. Use care to avoid falls.

WASTE DISPOSAL METHOD: Dispose of in accordance with applicable Federal, State & Local regulations.

## SECTION X - ADDITIONAL FEDERAL REGULATIONS

SARA TITLE III (EPCRA) NOTIFICATION: GLYCOL ETHERS  
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) NOTIFICATION: GLYCOL ETHERS  
For more information, consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

NE - Not Established NA - Not Applicable GT - Greater Than

1/17/2005 gh