
SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Trade Name : E-Max Detergent
Product Code : 00E504
Material Uses : Liquid Laundry Detergent

Supplier/Manufacturer : Dober
11230 Katherine's Crossing
Woodridge, IL 60517

Emergency Phone : 800-255-3924 (Chem-Tel)
Information Phone : 630-410-7300

SECTION 2: HAZARDS IDENTIFICATION

Physical State and Appearance : Transparent Liquid
Emergency Overview : WARNING!
May cause skin, eye, and respiratory irritation.
Routes of Entry : Skin, eyes, inhalation and ingestion.
Potential Acute Health Effects
Eyes : Causes eye irritation.
Skin : May cause skin irritation.
Ingestion : May be harmful if swallowed.
Inhalation : May cause respiratory tract irritation.
Potential Chronic Health Effects : Carcinogenic effects: Not classified as a carcinogen
Mutagenic effects: Not classified as a mutagen
Teratogenic effects: Not classified as a teratogen
Medical Conditions Generally Aggravated by Exposure : Pre-existing skin disorders such as dermatitis

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient:</u>	<u>CAS No.</u>	<u>% by weight</u>
Alcohol ethoxylates	68551-12-2	50-90
Diethylene glycol butyl ether	112-34-5	2-20

See Section 8 for Exposure Limits.
See Section 11 for Toxicological Data.

SECTION 4: FIRST AID MEASURES

Eye Contact : In case of eye contact flush at once with plenty of water for at least 15 minutes. Remove contacts if easy to do so. Contact a physician at once.
Skin Contact : In case of contact immediately flush skin with plenty of water. Remove contaminated clothing and shoes.
Ingestion : If large quantities of this material are swallowed, contact a physician at once. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Notes to Physician : Contact Poison Control.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability of the product	: May be combustible at elevated temperatures
Flash Points (Test Method)	: >205 °F (closed cup)
Flammable Limits in Air (% by volume)	
Lower	: Not determined
Upper	: Not determined
Products of Combustion	: Carbon oxides
Extinguishing Media	: Use media suitable for surrounding fire. Water, dry chemical, or CO ₂ .
Special Firefighting Procedures	: Wear SCBA and protective clothing.
Unusual Fire and Explosion Hazards	: None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	: Use appropriate personal protective equipment.
Environmental Precautions	: Do not flush to sewer or allow to enter waterways.
Methods for Cleaning Up	: Absorb spill onto sand, clay, etc. and shovel into steel container for disposal.

SECTION 7: HANDLING AND STORAGE

Handling and Storage	: Keep container closed. Do not contact eyes or skin. Do not take internally.
Other Precautions	: FOR INDUSTRIAL USE ONLY.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Ingredient Name	Exposure Limits
Diethylene glycol butyl ether	Not established

Engineering Controls	: Keep airborne concentrations below personal exposure limits. General exhaust is sufficient when material is used as intended.
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Personal Protection

Eyes	: Safety glasses with side shields or chemical splash goggles.
Skin	: Other protective clothing depending on degree of exposure. Lab coat recommended to prevent skin contact.
Respiratory	: Not required when material is used as intended.
Hands	: Chemical resistant, nitrile gloves.

Personal Protection in Case Of a Large Spill	: Use appropriate personal protective equipment.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State and Appearance	: Semi-viscous transparent liquid
Color	: Colorless to faint yellow
Odor	: Sweet, detergent like
pH	: 6-8
Boiling Point	: > 212 °F
Melting Point	: < 40 °F
Vapor Pressure (mmHg)	: Not determined

Vapor Density (Air = 1) : Not determined
Specific Gravity : 0.97
(H₂O = 1)
Evaporation Rate : Slower than water
% Volatiles by volume : 25%
Viscosity : 70 cps at 70°F
Solubility : Miscible with water

SECTION 10: STABILITY AND REACTIVITY

Stability and reactivity : Stable.
Conditions of instability : None known.
Incompatibility with various Substances : Strong oxidizers, reducing agents.
Hazardous Decomposition Products : Oxides of carbon, oxides of nitrogen, oxides of sulfur.
Hazardous Polymerization : Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Alcohol ethoxylates	LD50	>5.00 g/kg	Oral	Rat
Diethylene glycol butyl ether	LD50	5660 mg/kg	Oral	Rat

Potential Chronic Effects : Carcinogenic effects: Not classified as a carcinogen
Mutagenic effects: Not classified as a mutagen
Teratogenic effects: Not classified as a teratogen

Other Toxic Effects on Humans : Pre-existing skin disorders such as dermatitis

SECTION 12: ECOLOGICAL INFORMATION

Environmental Precautions : Avoid release into water way, potentially toxic to fish.
Products of Degradation : Not determined
Toxicity of the products of Degradation : Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method : Comply with all federal, state, and local regulations. Consult state and local authorities for restrictions on disposal of chemical waste. If approved, may be diluted and drained to a municipal sewer or waste treatment plant. Rinse empty container thoroughly with water before discarding.

SECTION 14: TRANSPORT INFORMATION

Regulatory Information	UN Number	Proper Shipping Name	Class	Packing Group	Additional Information
United States (DOT)	UN3082	Environmentally Hazardous Substance, Liquid, N.O.S.	9	III	Label Marine Pollutant (Contains: Alcohol Ethoxylates)
IATA	--	Non-Regulated	--	--	--

Regulatory Information	UN Number	Proper Shipping Name	Class	Packing Group	Additional Information
IMDG	UN3082	Environmentally Hazardous Substance, Liquid, N.O.S.	9	III	Label Marine Pollutant (Contains: Alcohol Ethoxylates)

Section 14 notes: Non Bulk DOT shipments are Non- Regulated

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations : SARA 302/304 extremely hazardous substances

<u>Amount</u>	<u>Component</u>	<u>CAS</u>
<0.001%	Residual Ethylene Oxide	75-21-8

State Regulations : CT (Connecticut), FL (Florida), IL (Illinois), MI (Michigan), LA (Louisiana), MA (Massachusetts), NJ (New Jersey), PA (Pennsylvania), RI (Rhode Island)

WARNING: This product contains chemical/chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.: Ethylene Oxide 75-21-8

International Regulations : Available on request.

SECTION 16: OTHER INFORMATION

Label Requirements : Causes eye irritation; may cause irritation to skin and respiratory tract.

Hazardous Material Information System (U.S.A.) :

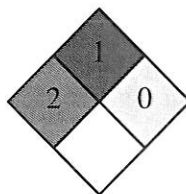
Health	2
Fire Hazard	1
Reactivity	0
Personal Protection	B

Hazard Ratings

4 = Extreme
 3 = Serious
 2 = Moderate
 1 = Slight
 0 = Minimal

* See section 8 for more detailed information on personal protection

National Fire Protection Association (U.S.A.) :



References : Available on request.

Disclaimer

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