

MATERIAL SAFETY DATASHEET



One Omega Drive
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e-mail: info@omega.com

MSDS-0215B-G
OMEGALAQ GREEN 0750
Rev. Date 1/12/10
Supersedes: 6/7/03

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: OMEGALAQ GREEN 0750
CHEMICAL FAMILY: Lacquer
GENERAL DESCRIPTION: Temperature Indicating Lacquer
SUPPLIER: OMEGA Engineering, Inc.
ADDRESS: PO Box 4047
Stamford, CT 06907
TELEPHONE: (203) 359-1660

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS #	%	EXPOSURE LIMITS IN AIR				
			ACGIH	OSHA			
Hazardous			TLV ppm	STEL ppm	PEL ppm	STEL ppm	IDLH ppm
Potassium Molybdate	13446-49-6	1-5	5mg/cu.m	NA	5mg/cu.m	NA	NA
Sodium Molybdate	7631-95-0	1-5	5mg/cu.m	NA	5mg/cu.m	NA	NA
Lithium Molybdate	13568-40-6	1-5	5mg/cu.m	NA	5mg/cu.m	NA	NA
Toluene	108-88-3	0-2	100	NA	100	NA	NA
n-Propyl Bromide	106-94-5	70-75	10	NA	NE	NA	NA
Patented Stabilizer package							
:Nitromethane	75-52-5	<0.7	20	NA	100	NA	NA
1,2 butylene Oxide	106-88-7	<0.7	NA	NA	NE	NA	NA
Non-Hazardous		Balance					

NA = Not Available NE = Not Established

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Vapors may be irritating to eyes, skin, and respiratory tract. Harmful if inhaled. Wear full protective equipment. Prevent contamination of soil surface, water or ground water. Solvent has no flash point, but vapors will form flammable mixture at a concentration of 3.8% to 9.5% by volume with air.

SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE: The most significant route of over-exposure for this product is by contact with the skin.

INHALATION: In high concentrations produces irritation to upper respiratory tract, vapors can cause unconsciousness, headache, dizziness, nausea, vomiting or narcosis. Chronic overexposure at high levels may cause adverse effects in the liver, respiratory system, kidney, reproductive system, and central nervous system. Persons having pre-existing diseases of the lungs, eyes or skin may have an increased susceptibility to the hazards of excessive exposure.

CONTACT WITH THE SKIN AND EYES: May cause pain and slight eye irritation. Vapors may irritate eyes. Prolonged or repeated exposure may cause skin irritation. May cause drying or flaking of skin. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

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SECTION 3. HAZARDS IDENTIFICATION (Continued)

INGESTION: May result in irritation of mouth and gastro-intestinal tract.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms.

Persons having pre-existing diseases of the lungs, eyes or skin may have increased susceptibility to the hazards of excessive exposure.

SECTION 4. FIRST AID MEASURES

SKIN EXPOSURE: If this product contaminates the skin, begin flushing with soap and water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Contaminated individual must seek medical attention if redness or irritation continues after area has been rinsed.

EYE EXPOSURE: If this product enters the eyes, open victim's eyes while under gently running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes.

INHALATION: Remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Remove or cover gross contamination to avoid exposure to rescuers. Call a physician and/or transport to emergency facility immediately.

INGESTION: Drink large amounts of water. Do not induce vomiting, Seek emergency medical attention.

Contaminated individual must be taken for medical attention if adverse effects occur. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to physician or other health professional with contaminated individual.

SECTION 5. FIREFIGHTING MEASURES

FLASH POINT, (method): None (CC)

AUTOIGNITION TEMPERATURE: NA

FLAMMABLE LIMITS (in air by volume, %):

Lower (LFL): 3.8, Upper (UFL): 9.5

FIRE EXTINGUISHING MATERIALS:

Water Fog: YES Carbon Dioxide: YES

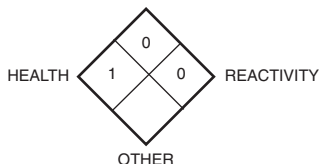
Foam: YES Dry Chemical: YES

UNUSUAL FIRE AND EXPLOSION HAZARDS: Avoid contact with flames, sparks or high intensity sources.

Thermal decomposition may produce carbon monoxide, carbon dioxide, hydrogen halide and bromides.

SPECIAL FIRE-FIGHTING PROCEDURES: Keep people away. Isolate fire area and deny unnecessary entry. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Stay upwind. Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing. If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING FLAMMABILITY



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SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Clear all personnel from area. Do not breathe vapors. Ventilate area of leak or spill. Wear protective equipment including positive pressure self contained or air supplied breathing apparatus.

Contain liquid; prevent contamination of soil, surface water or ground water. Solvent material is heavier than water and has limited water solubility. It will collect on the lowest surface.

Contain liquid, transfer to properly labeled closed containers. Place all spill in a suitable container and seal. Dispose of in accordance with Federal, State and local hazardous waste disposal regulations (see Section 13, Disposal Considerations).

SECTION 7. HANDLING AND STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Do not eat or drink while handling chemicals.

STORAGE AND HANDLING PRACTICES: All employees who handle this material should be trained to handle it safely. Avoid breathing material of this product. Packages of this product must be properly labeled. Store packages in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store away from incompatible materials (see Section 10, Stability and Reactivity). Inspect all incoming packages before storage, to ensure they are properly labeled and not damaged.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Decontaminate equipment using soapy water before maintenance begins. Collect all rinsates and dispose of according to applicable Federal, State, or local procedures.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Prudent practice is to ensure eyewash/safety shower stations are available near where this product is used. Provide local exhaust ventilation to control airborne levels below the exposure guidelines.

RESPIRATORY PROTECTION: Use an approved air-purifying or positive-pressure supplied-air respirator depending on the potential concentration. Follow the requirements of the Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), or equivalent State standards.

EYE PROTECTION: Safety glasses.

HAND PROTECTION: Wear impervious gloves.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

RELATIVE VAPOR DENSITY (air = 1):	NA.
ODOR:	Irritating odor at high concentration.
SPECIFIC GRAVITY (water = 1):	1:39
FREEZING/MELTING POINT:	Not available.
SOLUBILITY IN WATER:	NA
BOILING POINT:	NA
VAPOR PRESSURE:	NA
pH:	NA.
COEFFICIENT WATER/ OIL DISTRIBUTION:	Not applicable.
APPEARANCE AND COLOR:	Liquid with solvent odor.
HOW TO DETECT THIS SUBSTANCE (warning properties):	The appearance is a distinct property of this product. VOC: 10.49 Lb/Gal.

SECTION 10. STABILITY AND REACTIVITY

STABILITY:	Stable.
DECOMPOSITION PRODUCTS:	None known.
HAZARDOUS POLYMERIZATION:	Will not occur.
CONDITIONS TO AVOID:	Avoid open flames, direct sunlight or ultraviolet sources.



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SECTION 11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

Acute Dose Effects

A: General Product Information

No Information available for the product

B: Component Analysis-LD50/LC50

n-Propyl bromide (106-94-5)

Inhalation LC50 Rat 253 g/m³ 30 min; Oral LD50 rat 3600 mg/kg

1, 2-Butylene oxide (106-88-7)

Inhalation LC50 rat>6.3 mg/L 4h; Oral LD50 rat 500mg/kg; Dermal LD50 rabbit 1757 mg/kg

Nitromethane (75-52-5)

Oral LD50 rat 940 mg/kg; Dermal LD50 Rabbit>2000 mg/kg; Inhalation LC50 rat>12.75 mg/L 1h

Carcinogenicity

A. General Product Information

No information for the product.

B. Component Carcinogenicity

1, 2- Butylene oxide (106-88-7)

IARC; Monograph 71[1999]; Monograph 47 [1989] (overall evaluation upgraded from 3 to 2B with supporting evidence from other relevant data) [Group 2B (possibly carcinogenic to humans)]

Nirtomethane (75-52-5)

ACGIH: A3 confirmed animal carcinogen with unknown relevance to humans

NTP: Reasonably anticipated to be A Human carcinogen (Possible Select Carcinogen)

IARC: Monograph 77 [2000] Group 2B (possibly carcinogenic to humans)

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and reduce or eliminate exposure.

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SECTION 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION

No information available

SECTION 13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product if unaltered by use may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

SECTION 14. TRANSPORTATION INFORMATION

PROPER SHIPPING NAME:	Product not regulated
HAZARD CLASS NUMBER and DESCRIPTION:	NA
UN IDENTIFICATION NUMBER:	NA
PACKING GROUP:	NA
DOT LABEL(S) REQUIRED:	NA
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (1996):	NA
MARINE POLLUTANT:	NA
TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:	NA

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SECTION 15. REGULATORY INFORMATION

Component Analysis

SARA REPORTING REQUIREMENTS: This product is subject to the reporting requirements of Sections 311, 312 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows:

COMPONENT	SARA 311	SARA 312	SARA 313
1,2 butylene oxide Cas#106-88-7<0.7%			yes

SARA THRESHOLD PLANNING QUANTITY: NA.

TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory.

CERCLA REPORTABLE QUANTITY (RQ): NA.

OTHER U.S. FEDERAL REGULATIONS: NA.

STATE REGULATORY INFORMATION: The components of this product are covered under specific State regulations, as denoted below:

The following statements(s) are provided under the California safe drinking water and toxic enforcement act of 1986 (Proposition 65):

Warning! This product contains a chemical known to the state of California to cause cancer.

Warning! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

Alaska - Designated Toxic and Hazardous Substances: NA.

California - Permissible Exposure Limits for Chemical Contaminants: n propyl bromide is known to the state of California to cause cancer and reproductive effects.

Nitromethane is known to state of California to cause cancer.

Florida - Substance List: NA.

Illinois - Toxic Substance List: NA.

Kansas - Section 302/313 List: NA.

Massachusetts - Substance List: NA.

Minnesota - List of Hazardous Substances: NA.

Missouri - Employer Information/Toxic Substance List: NA.

New Jersey - Right to Know Hazardous Substance List: NA.

North Dakota - List of Hazardous Chemicals, Reportable Quantities: NA.

Pennsylvania - Hazardous Substance List: NA.

Rhode Island - Hazardous Substance List: NA.

Texas - Hazardous Substance List: NA.

West Virginia - Hazardous Substance List: NA.

Wisconsin - Toxic and Hazardous Substances: NA.

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SECTION 16. OTHER INFORMATION

CAUTION! MAY BE HARMFUL IF INGESTED. CONTACT WITH SKIN MAY CAUSE IRRITATION. Do not taste or swallow. Avoid contact with skin. Use with adequate ventilation. Wash thoroughly after handling. Wear gloves and safety goggles when using this product. **FIRST-AID:** In case of contact, immediately flush skin or eyes with large amounts of water. If inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **IN CASE OF FIRE:** Use fog, foam, dry chemical or CO₂. **IN CASE OF SPILL:** Pick-up material and rinse area with soap and water. Refer to MSDS for additional information.

Key/Legend:

EPA: Environmental Protection Agency; TSCA: Toxic Substance Control Act; ACGIH American Conference of Governmental Industrial Hygienists; IARC: International Agency for research on cancer; NIOSH: National Institute for occupational safety and health; NTP: National Toxicology program; OSHA: Occupational safety and health Administration. NJTSR: New jersey trade secret registry.

PREPARED BY: OMEGA Engineering, Inc.
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January 12, 2010

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