

MATERIAL SAFETY DATASHEET



One Omega Drive
Stamford, CT 06907-0047
omega.com
e-mail: info@omega.com

MSDS-0109
OB-200 (Part A, Epoxy Resin)
Rev. Date 12/15/10
Supersedes: 02/28/09

Emergency Contact Numbers: Medical 1-877-671-4608 (24 hours - Poison Control Center) Transport 1-800-424-9300 (24 hours)

SECTION 1. IDENTIFICATION

PRODUCT (TRADE) NAME: OMEGABOND® 200 Cement (Part A, Epoxy Resin)
GENERIC NAME/FAMILY: Thermally Conductive Adhesive
SUPPLIER: OMEGA Engineering, Inc.
ADDRESS: P. O. Box 4047
Stamford, CT 06907
TELEPHONE: (203) 359-1660

SECTION 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING! Possible Cancer Hazard. Suspected of Causing Genetic Defects.

EYE IRRITANT. SEVERE SKIN IRRITANT. SKIN SENSITIZER. White Paste Slight Odor

EYE: Will cause eye irritation. May cause permanent damage if eye is not immediately irrigated.

SKIN CONTACT: Repeated and/or prolonged contact may result in severe irritation. Repeated and/or prolonged contact may cause skin sensitization.

INHALATION: Unlikely to be hazardous by inhalation because of the low vapor pressure of the material at ambient temperature. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract. If the cured product is to be sanded or ground, wet sanding is recommended to eliminate airborne dust. Appropriate respiratory protection is suggested.

INGESTION: May cause nausea and vomiting.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Table with 3 columns: CHEMICAL FAMILY/COMPONENT, CAS NUMBER, and CONCENTRATION (% by weight). Rows include Aluminum Oxide, Epoxy Resin, Silicon Dioxide, Butyl glycidyl Ether, and Carbon Black.

SECTION 4. FIRST AID MEASURES

EYE: Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.
SKIN CONTACT: Wash skin with soap and water. If symptoms develop, obtain medical attention.
INHALATION: Remove to fresh air. Administer oxygen to aid breathing. Get medical attention.
INGESTION: If victim is conscious, give water to dilute stomach contents. Get prompt medical attention.

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SECTION 5. FIREFIGHTING MEASURES

AUTOIGNITION:	Not Available
FLASH POINT:	>200°F
EXTINGUISHING MEDIA:	Water spray or fog, CO ₂ , dry chemical.
SPECIAL FIREFIGHTING PROCEDURES:	Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Cool exposed equipment with water spray.
FIRE & EXPLOSION HAZARDS:	Combustible at high temperature.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon monoxide, carbon dioxide, unknown hydrocarbons.
LOWER EXPLOSION LIMIT (%):	Not Determined
UPPER EXPLOSION LIMIT (%):	Not Determined

SECTION 6 ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES: Evacuate immediate area and dike area to contain spill. Extinguish open flames and ignition sources in the immediate area. Wear proper protective clothing, gloves, and splash goggles. Absorb as much of spilled material as possible with rags, sand, vermiculite or other absorbent material. Scrape absorbed material into designated waste containers. Wash area thoroughly with detergent and rinse, taking care to prevent runoff into drains or other waterways. All spilled material, absorbed waste and wash water must be disposed of in accordance with all Federal, state and local regulations.

For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

SECTION 7. HANDLING AND STORAGE

STORAGE TEMPERATURE:	25°C
SHELF LIFE (Days):	365
HANDLING/STORAGE:	Keep containers properly sealed and store indoors in a well ventilated area. Keep away from heat and sources of ignition.
SENSITIVITY TO STATIC ELECTRICITY:	No
SPECIAL SENSITIVITY:	No
SENSITIVITY TO MECHANICAL IMPACT:	No

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	EXPOSURE LIMITS ACGIH	OSHA	Mfg. Working Standard
Aluminum Oxide	10 mg/m ³ PEL (total dust); 5 mg/m ³ PEL (respirable fraction, listed under Particulates not otherwise regulated)	15 mppcf TWA (respirable fraction); 5 mg/m ³ TWA (respirable fraction); 50 mppcf TWA (total dust); 15 mg/m ³ TWA (total dust)	Manufacturer: 6 mg/m ³
Silicon Dioxide crystalline free	10 mg/m ³ PEL (total dust); 5 mg/m ³ PEL (respirable fraction, listed under Particulates not otherwise regulated)	15 mppcf TWA (respirable fraction); 5 mg/m ³ TWA (respirable fraction); 50 mppcf TWA (total dust); 15 mg/m ³ TWA (total dust)	
Butyl Glycidyl Ether	Skin - potential significant contribution to overall exposure by the cutaneous route, 3 ppm TWA	50 ppm TWA; 270 mg/m ³ TWA	
Carbon Black	3.5 mg/m ³ TWA	3.5 mg/m ³ TWA	

VENTILATION REQUIREMENTS: Local mechanical ventilation. Sufficient to keep vapors below TLV exposure limits.

EYE PROTECTION REQUIREMENTS: Wear close fitting goggles or full face shield.

GLOVE REQUIREMENTS: Neoprene or natural rubber is recommended.

CLOTHING REQUIREMENTS: Wear protective equipment to comply with good occupational hygiene practice.

CHANGE/REMOVAL OF CLOTHING: Remove contaminated clothing and launder before reuse.

WASH REQUIREMENTS: Showers and eye washing equipment must be provided at handling points.

RESPIRATOR REQUIREMENTS: Respiratory protection required if the exposure level is unknown or has been measured and found to exceed the published exposure limits.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PURE SUBSTANCE OR MIXTURE:	Mixture
PHYSICAL FORM:	Paste
COLOR:	Black
ODOR:	Slight
ODOR THRESHOLD:	None Established
OXIDIZING PROPERTIES:	Not Applicable
BOILING POINT:	Not Determined
SOLUBILITY IN WATER:	Insoluble
PARTITION COEFFICIENT (n-octanol/water):	Not Determined
SPECIFIC GRAVITY (Water=1):	2.4
EVAPORATION RATE:	Not Determined
VAPOR PRESSURE (mmHg):	<0.1 @ 25°C
VAPOR DENSITY (air=1):	>1.0
VOLATILES:	<0.8%/wt
VOLATILE ORGANIC COMPOUNDS:	<18.8 g/liter
AUTOIGNITION:	Not Available
FLASH POINT:	>200°F

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SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable

STABILITY DETAIL: Material is stable under normal temperatures and pressures.

MATERIALS TO AVOID: Amines, Acids, Strong oxidizers, Mercaptans, Imidazoles

CONDITIONS TO AVOID: Elevated temperatures

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, unknown hydrocarbons

HAZARDOUS POLYMERIZATION CONDITIONS: Hazardous polymerization has not been reported to occur under normal temperature and pressures.

SECTION 11. TOXICOLOGICAL INFORMATION

Route of Entry: Eye Contact; Skin Contact; Inhalation; Ingestion

CARCINOGEN **IARC** **NTP** **OSHA SUBSTANCE**

COMPONENT **(group)** **SPECIFIC REGULATION**

Carbon Black Yes (2B) No Not listed

CHRONIC (Long Term) EFFECTS OF EXPOSURE
EFFECTS OF CHRONIC EXPOSURE: A component(s) of this product was found to be positive in one or more mutagenetic assays.

TARGET ORGANS: Eyes; Skin; Respiratory system

SKIN SENSITIZATION: Sensitizer. May cause allergic reaction.

PRODUCT TOXICOLOGY:
PRODUCT INFORMATION: This data sheet is based on a consideration of the properties of the constituents.

COMPONENT	ORAL TOXICITY	NOTES ON ORAL TOXICITY
Aluminum Oxide		No hazard in normal industrial use. Ingestion may cause irritation of the gastrointestinal tract. Non-toxic.
Epoxy Resin	Oral LD50: Rat > 5000 mg/kg	Unlikely to be hazardous if swallowed.
Butyl Glycidyl Ether	Oral LD50: Rat 1000 mg/kg	May cause nausea, vomiting and diarrhea
Carbon Black	Oral LD50; Rat > 8000 mg/kg	Unlikely to be hazardous if swallowed. Ingestion may cause irritation of the gastrointestinal tract.
COMPONENT	DERMAL TOXICITY	NOTES ON DERMAL TOXICITY
Aluminum Oxide		Slight/mild irritant
Epoxy Resin	Dermal LD50: Rabbit > 6000 mg/kg	Repeated or prolonged skin contact may result in moderate irritation. Repeat and/or prolonged contact may cause skin sensitization.

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SECTION 11. TOXICOLOGICAL INFORMATION (CONT'D)

Butyl Glycidyl Ether	Dermal LD50: Rabbit > 788 mg/kg	Severely irritating; May cause permanent skin damage. Repeated and/or prolonged contact may cause irritation and skin sensitization.
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Carbon Black		Non-irritant
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COMPONENT	INHALATION TOXICITY	NOTES ON INHALATION TOXICITY
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Aluminum Oxide		Dust may cause irritation.
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Epoxy Resin		Unlikely to be hazardous by inhalation because of the low vapor pressure of the material at ambient temperature.
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Butyl Glycidyl Ether	Inhalation LC50 (8 hr): Rat 1030 ppm	Vapor or aerosol, if generated, can cause irritation of the eyes, nose, and respiratory tract.
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Carbon Black	Inhalation LC50 (1 hr): Rat 6750 mg/m3	Inhalation of high concentrations of dust may cause irritation and discomfort. Repeated exposure to dusts may aggravate pre-existing respiratory conditions. Prolonged or frequent breathing of excess dust may cause an adverse respiratory effect.
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COMPONENT	NOTES ON EYE IRRITATION
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Aluminum Oxide	Slight/mild irritant. Particulates may scratch eye surfaces and cause mechanical irritation.
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Epoxy Resin	May cause eye irritation.
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Butyl Glycidyl Ether	Severe/very severe irritant.
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Carbon Black	Particulates may scratch eye surfaces and cause mechanical irritation.
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SECTION 12. ECOLOGICAL INFORMATION

POTENTIAL EFFECT ON ENVIRONMENT:	Unknown
POTENTIAL TO BIOACCUMULATE:	Unknown
ECOTOXICITY:	Unknown
AQUATIC TOXICITY:	None Established

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS:	Disposal should be in accordance with local, state, or national legislation.
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EMPTY CONTAINER WARNINGS:	Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.
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SECTION 14. TRANSPORTATION INFORMATION

This section provided for general information only. The shipping description below may not represent requirements for all modes of transportation, packaging, shipping methods or locations outside the United States.

FOR MORE COMPLETE TRANSPORTATION REGULATORY INFORMATION PLEASE REFER TO THE SHIPPING DOCUMENTS ACCOMPANYING THE SHIPMENT OF THIS PRODUCT.

DOT CLASSIFICATION: Not Regulated

The information provided herein may not include the impact of additional regulatory requirements (eg., for materials meeting the definition of a hazardous waste under RCRA, hazardous substances under CERCLA, and/of marine pollutants under CWA or other similar federal, state or local laws) or any associated exceptions or exemptions under regulations applicable to the transport of this material.

SECTION 15. REGULATORY INFORMATION

TSCA:	All components are on the TSCA inventory.
Canadian Domestic Substance List (DSL):	Is on DSL
China (IECSC):	On the IECSC Inventory.
Australia (AICS):	On the AICS Inventory.
Korea (KECI):	On the KECI Inventory.
Philippines (PICCS):	On the PICCS Inventory.

SARA - Section 313 (Superfund Amendments and Reauthorization Act of 1986 - 40CFR 372)
Aluminum Oxide

CAS NUMBER

1344-28-1

CALIFORNIA PROPOSITION 65

WARNING: This product contains following chemicals that are known to the state of California to cause cancer, birth defects or other reproductive harm.

Unless a concentration is specified in Section 2 of the MSDS, the below chemical/s are present in trace amounts.

COMPONENT	CAS NUMBER
Carbon Black	1333-86-4
Phenyl Glycidyl Ether	122-60-1
Epichlorohydrin	106-89-8

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SECTION 16. OTHER INFORMATION

HMIS® HAZARD RATINGS

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risk, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs by OSHA's 29 CFR 1910.1200, we choose to provide them as a service to our customers using HMIS®. These ratings are to be used only with a fully implemented HMIS® program. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

NPCA recommends that employers must determine appropriate PPE for the actual conditions under which this product is used in their workplace. For information on PPE codes, consult the HMIS® Implementation Manual.

When two ratings are provided for Health, the first represents the material "as supplied", and the second represents the material "in use"

* = chronic health hazard

HMIS® is a registered trademark of the National Paint and Coatings Association (NPCA).

HEALTH

*2

FLAMMABILITY

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PHYSICAL HAZARD

0

MSDS Date

December 14, 2010

For Information Contact:

OMEGA Engineering, Inc.
(203) 359-1660

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MSDS-0109
OB-200 (Part B, Epoxy Resin)
Rev. Date 12/15/10
Supersedes: 02/28/09

SECTION 1. IDENTIFICATION

PRODUCT [TRADE] NAME: OMEGABOND® 200 Cement (Part B, Catalyst)
GENERIC NAME OR FAMILY: Catalyst for Epoxy Resin
SUPPLIER: OMEGA Engineering, Inc.
P. O. Box 4047
Stamford, CT 06907
TELEPHONE: (203) 359-1660

SECTION 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

**DANGER! CAUSES SEVERE OR PERMANENT DAMAGE TO EYES.
SEVERE EYE IRRITANT. HARMFUL IF SWALLOWED. SEVERE SKIN IRRITANT.
RESPIRATORY SENSITIZER. SKIN SENSITIZER. Tan Liquid Pungent Odor**

EYE: Severe/very severe irritant. May cause permanent damage if eye is not immediately irrigated.
SKIN CONTACT: Repeated and/or prolonged contact may result in severe irritation. Repeated and/or prolonged contact may cause skin sensitization.
INHALATION: Respiratory irritant. Possible respiratory sensitizer.
INGESTION: Will cause irritation to mouth, throat, and stomach.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY: Anhydrides

COMPONENT:	CAS NUMBER	CONCENTRATION (% by weight)
Methylhexahydrophthalic anhydride	25550-51-0	35 - 50
Benzenetetracarboxylic-1, 2, 4, 5-Dianhydride	89-32-7	35 - 50

SECTION 4. FIRST AID MEASURES

EYE: Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.
SKIN CONTACT: Flush exposed areas thoroughly with soap and water until all chemical is removed. Remove contaminated clothing and launder before reuse. Obtain immediate medical attention.
INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention.
INGESTION: DO NOT attempt to give anything by mouth to an unconscious person. If individual is conscious, give water to dilute stomach contents. Get prompt medical attention.

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SECTION 5. FIREFIGHTING MEASURES

AUTOIGNITION:	Not Available
FLASH POINT:	310°F (Pensky-Martens Closed Tester)
EXTINGUISHING MEDIA:	CO ₂ ; Dry Chemical; Water Fog
SPECIAL FIREFIGHTING PROCEDURES:	A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Cool exposed equipment with water spray.
FIRE & EXPLOSION HAZARDS:	Combustible at high temperatures.
HAZARDOUS COMBUSTION PRODUCTS:	Combustion will evolve toxic and irritant vapors. Carbon monoxide, carbon dioxide, unknown hydrocarbons.
LOWER EXPLOSION LIMIT (%):	Not Applicable
UPPER EXPLOSION LIMIT (%):	Not Applicable

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES: Ventilate area. May cause allergic skin reaction. Use suitable protective clothing. Absorb spillages onto sand, earth or any suitable absorbent material. Do not allow to enter drains, sewers or watercourses. Scrape absorbed material into proper waste containers. Wash area with soap and water; prevent entry of wash water into drains or other waterways. Dispose of wastes and water in accordance with all applicable federal, state, and local regulations.

For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

SECTION 7. HANDLING AND STORAGE

STORAGE TEMPERATURE:	25°C
SHELF LIFE (Days):	365
HANDLING/STORAGE:	Keep containers properly sealed and store indoors in a well ventilated area. Store in cool, dry place. Good industrial hygiene should be practiced.
SENSITIVITY TO STRATIC ELECTRICITY:	No
SPECIAL SENSITIVITY:	Avoid moisture contamination.
SENSITIVITY TO MECHANICAL IMPACT:	No

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION REQUIREMENTS: Use in a well-ventilated area. Local mechanical ventilation.

EYE PROTECTION REQUIREMENTS: Wear eye/face protection. Safety spectacles/goggles/full face shield.

GLOVE REQUIREMENTS: Employees must wear appropriate protective gloves to prevent contact with this substance.

CLOTHING REQUIREMENTS: Employees must wear appropriate clothing and equipment to prevent any possibility of skin contact with this substance. Uniforms, coveralls, or a lab coat should be worn. Rubber boots and apron if exposure is severe.

CHANGE/REMOVAL OF CLOTHING: Remove contaminated clothing and launder before reuse.

WASH REQUIREMENTS: Wash exposed areas with soap and water. Showers and eye washing equipment must be provided at handling points.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PURE SUBSTANCE OR MIXTURE:	Mixture
PHYSICAL FORM:	Liquid
COLOR:	Tan
ODOR:	Pungent
ODOR THRESHOLD:	Not Available
OXIDIZING PROPERTIES:	Not Applicable
SOLUBILITY IN WATER:	Slightly Soluble
PARTITION COEFFICIENT (n-octanol/water):	Not Determined
SPECIFIC GRAVITY (Water=1):	1.35
EVAPORATION RATE:	Negligible
VAPOR PRESSURE (mmHg):	Negligible @ 25°C
VAPOR DENSITY (air=1):	>1.0
VOLATILES:	<0.5%/wt
VOLATILE ORGANIC COMPOUNDS:	Negligible
AUTOIGNITION:	Not Available
FLASH POINT:	310°F (Pensky-Martens Closed Tester)

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SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable

STABILITY DETAIL: Material is stable under normal temperatures and pressures.

MATERIALS TO AVOID: Strong oxidizers, Bases

CONDITIONS TO AVOID: Avoid moisture contamination. Elevated temperatures

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, unknown hydrocarbons. Combustion will evolve toxic and irritant vapors. Carbon monoxide, Carbon dioxide.

HAZARDOUS POLYMERIZATION Hazardous polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY: Skin Contact; Inhalation; Ingestion

CARCINOGEN **IARC** **NTP** **OSHA SUBSTANCE SPECIFIC REGULATION**

COMPONENT

There is no evidence that this product poses a carcinogenic risk under normal conditions of handling and use.

CHRONIC (Long Term) EFFECTS OF EXPOSURE

TARGET ORGANS: Eyes; Skin; Respiratory system

RESPIRATORY SENSITIZATION: Sensitizer. May cause allergic reaction.

SKIN SENSITIZATION: Sensitizer. May cause allergic reaction.

PRODUCT TOXICOLOGY

PRODUCT INFORMATION: A moderate irritant to skin, eyes, respiratory system and gastrointestinal tract.

COMPONENT	ORAL TOXICITY	NOTES ON ORAL TOXICITY
Methylhexhydrophthalic Anhydride		Irritant and may cause nausea and vomiting.

Benzenetetracarboxylic 1, 2, 4, 5-Dianhydride	Oral LD50: Rat > 2250 mg/kg Oral LD50; Mouse > 2250 mg/kg	Ingestion may cause irritation of the gastrointestinal tract.
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COMPONENT	DERMAL TOXICITY	NOTES ON DERMAL TOXICITY
Methylhexhydrophthalic Anhydride		Irritating to the skin. Repeated and/or prolonged contact may cause skin sensitization.

Benzenetetracarboxylic 1, 2, 4, 5-Dianhydride		Can cause severe irritation on moist skin. Repeated and/or prolonged contact may cause skin sensitization.
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SECTION 11. TOXICOLOGICAL INFORMATION (CONT'D)

COMPONENT	INHALATION TOXICITY	NOTES ON INHALATION TOXICITY
Methylhexhydrophthalic Anhydride		Respiratory irritant. Respiratory sensitizer.
Benzenetetracarboxylic 1, 2, 4, 5-Dianhydride	Inhalation LC50 (4 hr); Rat >150 mg/m3	May cause irritation to eyes and respiratory system. Exposure to high concentrations may produce lung damage. Possible respiratory sensitizer.
COMPONENT		NOTES ON EYE IRRITATION
Methylhexhydrophthalic Anhydride.		Severe/very severe irritant.
Benzenetetracarboxylic 1, 2, 4, 5-Dianhydride		Severe/very severe irritant.

SECTION 12. ECOLOGICAL INFORMATION

POTENTIAL EFFECT ON ENVIRONMENT:	Do not allow to enter drains, sewers, or watercourses.
MOBILITY:	Slightly Soluble
POTENTIAL TO BIOACCUMULATE:	Unknown
AQUATIC TOXICITY:	None Established

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS:	Disposal should be in accordance with local, state, or national legislation.
EMPTY CONTAINER WARNINGS:	Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

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FOR MORE COMPLETE TRANSPORTATION REGULATORY INFORMATION PLEASE REFER TO THE SHIPPING DOCUMENTS ACCOMPANYING THE SHIPMENT OF THIS PRODUCT.

DOT CLASSIFICATION: Not Regulated
ICAO/IATA CLASSIFICATION: Not classified as dangerous.

The information provided herein may not include the impact of additional regulatory requirements (eg., for materials meeting the definition of a hazardous waste under RCRA, hazardous substances under CERCLA, and/of marine pollutants under CWA or other similar federal, state or local laws) or any associated exceptions or exemptions under regulations applicable to the transport of this material.

SECTION 15. REGULATORY INFORMATION

TSCA:	All components are on the TSCA inventory
Canadian Domestic Substance List (DSL):	Is on DSL
China (IECSC):	On the IECSC Inventory.
Japan (ENCS):	On the ENCS Inventory.
Australia (AICS):	On the AICS Inventory.
Korea (KECI):	On the KECI Inventory.
EINECS:	All components of this product are listed in EINECS or ELINCS, or are otherwise exempt from EU notification requirements.

SARA - Section 313 (Superfund Amendments and Reauthorization act of 1986 - 40CFR 372)
Contains no substances at or above the reporting threshold under Section 313.

CAS NUMBER

CALIFORNIA PROPOSITION 65

WARNING: This product contains following chemicals that are known to the state of California to cause cancer, birth defects or other reproductive harm.

Unless a concentration is specified in Section 2 of the MSDS, the below chemical/s are present in trace amounts.

COMPONENT
None reportable.

CAS NUMBER

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SECTION 16. OTHER INFORMATION

HMIS® HAZARD RATINGS

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risk, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs by OSHA's 290 CFR 1910.1200, we choose to provide them as a service to our customers using HMIS®. These ratings are to be used only with a fully implemented HMIS® program. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

NPCA recommends that employers must determine appropriate PPE for the actual conditions under which this product is used in their workplace. For information on PPE codes, consult the HMIS® Implementation Manual.

When two ratings are provided for Health, the first represents the material "as supplied", and the second represents the material "in use"

* = chronic health hazard

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HEALTH

*3

FLAMMABILITY

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PHYSICAL HAZARD

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MSDS Date

February 28, 2009

For Information Contact:

OMEGA Engineering, Inc.
(203) 359-1660

MATERIAL SAFETY DATASHEET



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MSDS-0109
OB-200 (Part B, Epoxy Resin)
Rev. Date 12/15/10
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