

121-146-31936

# Safety Data Sheet

Issuing Date 22-Feb-2016

Revision date 20-Dec-2015

Revision Number 5

## 1. IDENTIFICATION

**Product identifier**

Product name Magnobond 121-146-A

**Other means of identification**

Product Code(s) 121-146-A

Synonyms Magnolia 121-146-A

**Recommended use of the chemical and restrictions on use**

Recommended Use This product contains epoxy constituents that have an average molecular weight of less than or equal to 700.

Uses advised against No information available

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

Magnolia Advanced Materials  
4360 NE Expressway  
Atlanta, GA 30340

Email Address SDS@magnolia-adv-mat.com

**Emergency telephone number**

Company Phone Number (770) 451-2777  
Emergency telephone number INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)  
Account 79439

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation

Category 2

Skin sensitization

Category 1

**Label elements**

### Emergency Overview

**WARNING**

**Hazard statements**

CAUSES SKIN IRRITATION

May cause an allergic skin reaction



The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** White to yellow**Physical state** Semi-Paste**Odor** Slight ethereal**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing must not be allowed out of the workplace

**Precautionary Statements - Response**

Specific treatment (see instructions on this label)

IF ON SKIN: Wash with plenty of water and soap

Take off contaminated clothing and wash it before reuse

If skin irritation or rash occurs: Get medical advice/attention

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

May be harmful if swallowed Toxic to aquatic life with long lasting effects Toxic to aquatic life

Unknown acute toxicity

82.2 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Not applicable

**Mixture****Synonyms**

Magnolia 121-146-A.

**Formula**

Not Applicable-Mixture

Chemical Name	CAS-No	Weight %	Trade secret
Multifunctional epoxy resin	Proprietary	60-90	*
Aliphatic epoxy resin	Proprietary	10-25	*
Silicon dioxide	Proprietary	1-10	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****Description of first aid measures****General advice**

Remove from exposure, lie down. If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing. MAY CAUSE ALLERGIC SKIN REACTION.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately if symptoms occur.

**Skin contact**

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**

Remove from exposure, lie down. If symptoms persist, call a physician.

**Ingestion**

Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Get medical advice/attention.

**Self-protection of the first aider** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms/Effects** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

**Other Information** Ventilate the area.

**Environmental precautions**

**Environmental precautions** Do not allow material to contaminate ground water system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep away from open flames, hot surfaces and sources of ignition. Keep tightly closed in a dry and cool place.

**Incompatible Products** None known based on information supplied.

## 8. Exposure Controls/Personal Protection

**Control parameters****Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Silicon dioxide	TWA: 1 fiber/cm <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	-	-

**Appropriate engineering controls****Engineering Controls**

Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

**Skin and body protection**

Rubber gloves.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations**

Wash hands before breaks and after work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Physical state	Semi-Paste	Odor	Slight ethereal
Appearance	White to yellow	Odor threshold	No information available
Color	No information available		
<b>Property</b>	<b>Values</b>	<b>Remarks/ • Method</b>	
PH	No information available	Mixture	
Melting point / freezing point	No information available	Mixture	
Boiling Point/Range	107.3 °C 225 °F		
Flash point	> 93.4 °C > 200 °F	(based on components)	
Evaporation Rate	No information available		
Flammability (solid, gas)	No information available	Mixture	
Flammability Limit in Air			
Upper Flammability Limit	No information available		
Lower Flammability Limit	No information available		
Vapor pressure	No information available		
Vapor density	No information available		
Relative Density	0.8 g/cc		
Water solubility	Negligible		
Solubility in other solvents	No information available		
Partition coefficient: n-octanol/water	No information available		
Autoignition temperature	No information available	Mixture	
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available	Mixture	
Explosive properties	No information available		
Oxidizing properties	No information available		

**Other Information**

Softening point	No information available
Molecular weight	No information available
VOC Content	Negligible

Density No information available  
Bulk density No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

**Hazardous polymerization** Polymerization can occur.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible materials

None known based on information supplied.

### Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx). Aldehydes.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product Information** The product has not been tested

**Inhalation** There is no data available for this product.

**Eye contact** There is no data available for this product.

**Skin contact** There is no data available for this product.

**Ingestion** There is no data available for this product.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Aliphatic epoxy resin	= 4500 mg/kg ( Rat )	-	-

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.

**MUTAGENIC EFFECTS** No information available.

**Carcinogenicity** No information available.

Chemical Name	ACGIH	IARC	NTP	OSHA
Silicon dioxide	A3 A2	Group 3	-	-

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 4,500.00 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Toxic to aquatic life with long lasting effects

23 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulation/Accumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Waste Disposal Method** Dispose of contents/container in accordance with local regulation.**Contaminated packaging** Do not reuse container.

Chemical Name	California Hazardous Waste Status
Silicon dioxide	Toxic

**14. TRANSPORT INFORMATION****DOT** Not regulated**ICAO****UN-No** 3082  
**Hazard Class** 9  
**Packing group** III**IATA****UN-No** 3082  
**Proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)  
**Hazard Class** 9  
**Packing group** III**IMDG/IMO****UN-No** 3082  
**Proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)  
**Hazard Class** 9  
**Packing group** III  
**EmS No.** F-A, S-F  
**Marine pollutant** This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO**RID****UN-No** 3082  
**Proper shipping name** Environmentally hazardous substance, liquid, n.o.s.  
**Hazard Class** 9  
**Packing group** III  
**Classification code** M6



**ADR**

<b>UN-No</b>	3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s
<b>Hazard Class</b>	9
<b>Packing group</b>	III
<b>Classification code</b>	M6

**15. REGULATORY INFORMATION****International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Does not comply
<b>AICS</b>	Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Silicon dioxide	-	X	-	-

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

**U.S. EPA Label Information**

EPA Pesticide registration number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	Health hazard 2	Flammability 1	Instability 0	Physical and Chemical Hazards -
<b>HMIS</b>	Health hazard 0	Flammability 0	Physical hazards 0	Personal precautions X

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Revision note  
No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet