

**Glenmarc Industries Inc.** 2001 S. Blue Island Ave Chicago IL 60608

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## Material Safety Data Sheet

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### SECTION 1

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MANUFACTURER:  
Glenmarc Industries Inc.  
2001 S. Blue Island Ave.  
Chicago IL 60608

Emergency Phone:  
800-255-3924  
Chemtel  
Non-emergency Phone:  
800-323-5350

PRODUCT NAME:  
**Carbon Black Pigment**

### SECTION 2 COMPOSITION

	CAS#	Concentration
Polyester Resin(s)	not hazardous	87-89%
Carbon Black Pigment	1333-86-4	11-13%

### SECTION 3 HAZARDS IDENTIFICATION

Appearance: Black liquid, opaque

Hazard Summary: Caution, inhalation of vapor or mist can cause:

Irritation of throat, nose and lungs

May cause eye/skin irritation

Prolonged or repeated overexposure to carbon black can cause lung effects

Primary route of entry: inhalation

Inhalation: Irritation of nose, throat and lungs

Ingestion: Possibly harmful if swallowed. Can cause gastrointestinal irritation

Skin contact: minor irritation

Eye contact: Minor transient irritation, reddening

Chronic Exposure: Prolonged or repeated overexposure to carbon black can cause lung effects.

Carbon Black Pigment ACGIH Not classified as human carcinogen

Carbon Black Pigment IARC Possible carcinogen

Carbon Black Pigment US CA CRT Carcinogenic

Carbon Black Pigment NIOSH Potentially carcinogenic

### SECTION 4 FIRST AID

Inhalation: remove to fresh air

Ingestion: drink 1-2 glasses of water. Consult physician. Never give anything by mouth to an unconscious person.

Skin contact: Wash affected area with soap and water. Consult physician if irritation persists.

Eye contact: Flush eyes with water as precaution. Consult physician if irritation persists.

Notes to Physician:

Treatment should be directed at preventing absorption, administering to symptoms (if they occur) and providing supportive therapy

### SECTION 5 FIRE-FIGHTING MEASURES

Flash point and method used: 232C (450F) Tag closed cup  
Flammable limits/%Volume in Air lower-n/a Upper- n/a

Extinguishing Media: CO<sub>2</sub>, dry chemicals, water fog

Thermal decomposition: Combustion generates toxic fumes of the following:

Carbon oxides, sulfur oxides.

Special Fire Fighting Procedures and Precautions: Do not enter confined fire space without proper protective equipment including a NIOSH approved self-contained breathing apparatus. Cool fire exposed container with water

Unusual Fire and Explosion Hazards: none

## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

Spill or leak procedures:

Use cautious judgment when cleaning up large spills.

Large spills:

Wear protective clothing as appropriate. Shut off sources of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material. Dispose of properly. Flush area with water to remove trace residue.

Small spills: Take up with an absorbent material and dispose of properly.

Incinerate or bury in landfill according to federal, state and local guidelines.

## **SECTION 7 HANDLING/STORAGE**

Keep container tightly closed. Store in cool, dry place.

Avoid temperature extremes during storage. Ambient temperature preferred.

Vapors can be evolved when material is heated during processing operations.

Appropriate protective equipment must be worn when handling spill of this material: See section 8. If exposed to material during clean-up operations, see Section 4.

Refer to applicable local and state and federal regulations for disposal.

Dispose empty container in a sanitary landfill or by incineration as allowed by state and local authorities.

## **SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION:**

Exposure Limits:	TWA	STEL
Carbon Black	3.0 mg/m <sup>3</sup>	6mg/m <sup>3</sup>
	ACGIH	TWA 3.5MG/M <sup>3</sup>
	OSHA-TRANS	PEL 3.5MG/M <sup>3</sup>

Respiratory protection (NIOSH approved organic vapor respirators) only required if ventilation is inadequate.

NIOSH approved respirators or self-contained breathing apparatus should be used in confined spaces.

None required if the airborne concentrations are maintained below the exposure limit listed in Exposure limit information. Up to 10 times the exposure limit: wear a properly fitted NIOSH approved half mask, air purifying respirator. Up to 50 times the exposure limit: wear a properly fitted NIOSH approved full faceplate, air purifying respirators should be equipped with NIOSH approved (or equivalent) organic vapor cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.

Ventilation: local mechanical exhaust

Protective gloves: impervious gloves : neoprene gloves

Eye protection: safety glasses w/ side shields (ANSI z87.1 or approved equivalent)

Other: safety shower and eye bath should be available. Use protective clothing.

## **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: not determined    Melting Point: n/a  
Flash point    232C (450F) Tag closed cup  
Vapor Pressure: n/a  
Specific Gravity: 1.16-2.5 (H2O=1)  
Solubility in Water: no  
Density:        1.08  
Percent Volatile: 0%  
Evaporation rate: N/A  
Percent solid by weight: 100%  
Appearance and Odor: liquid opaque, black with characteristic odor

#### **SECTION 10 STABILITY AND REACTIVITY**

Stability: Stable  
Hazardous Polymerization: May occur

Conditions and Materials to avoid:  
Avoid contact with strong acids, amines, mercaptans, bases in uncontrollable amounts.

Hazardous Decomposition Products: non known

Product will not undergo polymerization

#### **SECTION 11 TOXICOLOGICAL INFORMATION**

OSHA permissible exposure limit: OSHA limits have not been established for this product

ACGIH threshold limit value: ACGIH limits have not been established for this product.

#### **SECTION 12 ECOLOGICAL INFORMATION**

No data available for this product

#### **SECTION 13 DISPOSAL CONSIDERATIONS**

Incinerate liquid and contaminated solids in accordance with local, state and federal regulations.  
Waste classification: when a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity or reactivity and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however has not been evaluated by the toxicity characteristic leaching procedure (TCLP)

#### **SECTION 14 TRANSPORT INFORMATION**

Not regulated by D.O.T.  
IMO/IMDG        Not regulated (not dangerous for transport)

#### **SECTION 15 REGULATORY INFORMATION**

Workplace classification  
This product is considered hazardous under the OSHA hazard communication standard (29 CFE 1910,1200).  
This product is a "controlled product" under the Canadian workplace hazardous materials information system (WHMIS).  
SARA TITLE III: Section 311/312 categorizations (40CFR372)  
This product does not contain a chemical which is listed in Section 313 or above the minimum concentrations.  
CERCLA Information (40CFR302.4)  
Releases of this material to air, land or water are not reported to the National Response Center under the comprehensive environmental response, compensation and liability act (CERCLA) or to the state and local

emergency planning committees under the superfund amendments and reauthorization act (SARA) title III section 304.

US Toxic Substance Control Act(TSCA) All components of this product are in compliance with the inventory listing requirements of the US toxic substances control act (TSCA) chemical substances inventory.

Pennsylvania

Any material listed as "not hazardous" in the CAS REG NO. column of section 2, composition/information on ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania worker and community right to know.

California (Proposition 65)

This product contains a component or components known to the state of California to cause cancer:

Components: Carbon Black 1333-86-4

## **SECTION 16 OTHER INFORMATION**

Hazard Rating:

HMIS	Health	1
	Fire	0
	Reactivity	0

Legend:

ACGIH American Conference of Governmental Industrial Hygienists

BAC Butyl acetate

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

STEL Short Term Exposure Limit

TLV Threshold limit value

TWA Time weighted average

I Bar denotes revision from prior MSDS

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. The information given is designed only as a guide 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.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk to his use of the material.