

# Safety Data Sheet

acc. to OSHA HCS

Printing date 06/18/2015

Reviewed on 06/18/2015

## 1 Identification

- **Product identifier**
- **Trade name:** CMI-BK Black Ink
- **Article number:** CMI-BK-4, CMI-BK-P
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Printing inks
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Marsh Shipping Supply Co.,LLC  
926 McDonough Lake Road - Unit E  
Collinsville, IL 62234  
USA
- **Information department:** customerservice@msscllc.com
- **Emergency telephone number:**  
Infotrac  
1 800 535 5053  
352 323 3500 (International)

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

*Carc. 2 H351 Suspected of causing cancer.*

- **Additional information:**  
*The pigment Carbon Black CAS# 1333-86-4, is suspected of causing cancer when inhaled as a dust form. This pigment is bound in the ink, and under normal conditions of use the exposure to the dust form is not likely.*

- 
- **Label elements**
  - **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms** GHS08
  - **Signal word** Warning
  - **Hazard-determining components of labeling:**  
Carbon black
  - **Hazard statements**  
*Suspected of causing cancer.*
  - **Precautionary statements**  
*Wear protective gloves/protective clothing/eye protection/face protection.*  
*Obtain special instructions before use.*  
*Do not handle until all safety precautions have been read and understood.*  
*IF exposed or concerned: Get medical advice/attention.*  
*Store locked up.*  
*Dispose of contents/container in accordance with local/regional/national/international regulations.*
  - **Information pertaining to particular dangers for man and environment:**
  - **Potential Chronic Health Effects** Irritation of skin or organs.

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- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Hazardous components**

1333-86-4	Carbon black		Carc. 2, H351	6.89%
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- **Additional information:**

This product contains pigments which may become a dust nuisance when removed by abrasive blasting or sanding. Airborne nuisance particulates have an ACGIH TLV for total dust of 10mg/M3

### 4 First-aid measures

- **Description of first aid measures**
- **General information:**  
Take affected persons out into the fresh air.  
Involve doctor immediately.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water for 15 minutes. If irritation exists call physician.
- **After eye contact:**  
Rinse opened eye for fifteen minutes under running water. If irritation persists, consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)

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- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Precautions for safe handling**  
Store in cool, dry place in tightly closed receptacles.  
Keep away from heat and direct sunlight.  
Handle with care. Avoid jolting, friction and impact.  
Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing or moving, observe grounding/grounding of containers and other equipment when handling.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:**  
Do not store together with oxidizing and acidic materials as well as heavy-metal compounds.  
Store away from foodstuffs.
- **Further information about storage conditions:**  
Protect from humidity and water.  
Protect from exposure to the light.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**

### 1333-86-4 Carbon black

PEL	Long-term value: 3.5 mg/m <sup>3</sup>
REL	Long-term value: 3.5* mg/m <sup>3</sup> *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m <sup>3</sup> *inhalable fraction

- **Additional information:** The lists that were valid during the creation were used as basis.

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- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
*The usual precautionary measures for handling chemicals should be followed.*  
*Wash hands before breaks and at the end of work.*  
*Avoid contact with the eyes and skin.*  
*Do not eat, drink, smoke or sniff while working.*
- **Breathing equipment:**  
*Use suitable respiratory protective device in case of insufficient ventilation.*  
*Use only with adequate ventilation.*
- **Protection of hands:** Not required.
- **Material of gloves:** Nitrile rubber, NBR
- **Eye protection:** Not required.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

<b>Form:</b>	Fluid
<b>Color:</b>	Black
<b>Odor:</b>	Weak, characteristic
<b>Odour threshold:</b>	Not determined.

- **pH-value:** Not applicable.

- **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	351 °C (664 °F)

- **Flash point:** 93 °C (199 °F)

- **Flammability (solid, gaseous):** Not determined.

- **Ignition temperature:** > 450 °C (> 842 °F)

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Not determined.

- **Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

- **Vapor pressure at 20 °C (68 °F):** 1 hPa (1 mm Hg)

- **Density at 20 °C (68 °F):** 0.99587 g/cm<sup>3</sup> (8.311 lbs/gal)

- **Relative density** Not determined.

- **Vapour density** Not applicable.

- **Evaporation rate** Not applicable.

- **Solubility in / Miscibility with**

- **Water:** Insoluble.

- **Partition coefficient (n-octanol/water):** Not determined.

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- |                            |  |
|----------------------------|--|
| <b>· Viscosity:</b>        |  |
| <b>Dynamic:</b>            | Not applicable.                            |
| <b>Kinematic:</b>          | Not applicable.                            |
| <b>· Solvent content:</b>  |  |
| <b>Organic solvents:</b>   | 0.0 %                                      |
| <b>VOC content:</b>        | g/l / 0.01 lb/gl                           |
| <b>· Solids content:</b>   | 100.0 %                                    |
| <b>· Other information</b> | No further relevant information available. |

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with acids, alkalis and oxidizing agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**  
Nitrogen oxides  
Carbon monoxide and carbon dioxide

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

1333-86-4 Carbon black

2B 6.89%

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** This statement was deduced from the properties of the single components.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Hand over to hazardous waste disposers.  
This material and containers that are not empty, if discarded, would be regulated as a hazardous waste under RCRA. Treatment and disposal must be completed at a RCRA permitted treatment, storage, and disposal facility (TSD). The storage and transportation of RCRA hazardous wastes are also regulated by the USEPA.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- |  |   |
|--|---|
| · <b>UN-Number</b>   |   |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   | Void  |
| · <b>UN proper shipping name</b>   |   |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   | Void  |
| · <b>Transport hazard class(es)</b>  |   |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   |   |
| · <b>Class</b>   | Void  |
| · <b>Packing group</b>   |   |
| · <b>DOT, ADR, IMDG, IATA</b>  | Void  |
| · <b>Environmental hazards:</b>  | Not applicable.   |
| · <b>Special precautions for user</b>  | Bulk packaging may be regulated / classified differently than non-bulk depending on mode of transport |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.   |
| · <b>UN "Model Regulation":</b>  | -   |

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **TSCA (Toxic Substances Control Act):**  
All ingredients are listed or exempt.

8001-79-4	Castor oil	
8001-22-7	Soybean Oil	
1333-86-4	Carbon black	
8030-76-0	lecithin f (kelcin)	
· <b>Proposition 65 /Chemicals known to cause cancer:</b>		
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- **Carcinogen categories**

- **TLV (Threshold Limit Value established by ACGIH)**

1333-86-4	Carbon black	A4	6.89%
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- **NIOSH (National Institute for Occupational Safety and Health)**

1333-86-4	Carbon black	*	6.89%
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- **State regulations**

- **Massachusetts Right-to-know / Hazardous Substance Codes**

1333-86-4	Carbon black	2,4 F5	6.89%
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- **Minnesota Right To Know / Hazardous Substances**

1333-86-4	Carbon black	Codes: ANOR, Carcinogen	6.89%
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- **Illinois Right To Know**

None of the ingredients is listed.

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms** GHS08

- **Signal word** Warning

- **Hazard-determining components of labeling:**

Carbon black

- **Hazard statements**

Suspected of causing cancer.

- **Precautionary statements**

Wear protective gloves/protective clothing/eye protection/face protection.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

IF exposed or concerned: Get medical advice/attention.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

- **Relevant phrases**

H351 Suspected of causing cancer.

- **Contact:** Compliance Department

- **Date of preparation / last revision** 06/18/2015 / -

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

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*IATA: International Air Transport Association*  
*ACGIH: American Conference of Governmental Industrial Hygienists*  
*EINECS: European Inventory of Existing Commercial Chemical Substances*  
*ELINCS: European List of Notified Chemical Substances*  
*CAS: Chemical Abstracts Service (division of the American Chemical Society)*  
*NFPA: National Fire Protection Association (USA)*  
*HMIS: Hazardous Materials Identification System (USA)*  
*VOC: Volatile Organic Compounds (USA, EU)*  
*Carc. 2: Carcinogenicity, Hazard Category 2*

USA