

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 12/11/2008

Reviewed on 12/11/2008




## 1 Identification of substance

- **Product details**
- **Trade name:** I 22B 7034 EFI Black Stencil Ink
- **Article number:** 70903; 70987
- **Application of the substance / the preparation** Printing inks
- **Manufacturer/Supplier:**  
Marsh Shipping Supply Co.,LLC  
926 McDonough Lake Road - Unit E  
Collinsville, IL 62234  
USA
- **Information department:** customerservice@msscllc.com
- **Emergency information:**  
Chemtrec 800-424-9300  
International 703-527-3887

## 2 Composition/Data on components

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

- **Hazardous components**

1333-86-4	Carbon black		5.0%
29911-28-2	Dipropylene Glycol Monobutyl Ether		3.5%
533-74-4	dazomet (ISO)	 Xn, Xi, N; R 22-36-50/53 Danger:  3.1.O/3, 3.3/2A Warning:  4.1.C/1	0.08%

- **Additional information:**  
For the wording of the listed risk phrases refer to section 16.  
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

## 3 Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:**  
Contact with skin and inhalation of aerosols/ vapours of the preparation should be avoided.  
The product does not have to be labelled due to the calculation procedure of international guidelines.
- **Potential Chronic Health Effects** Irritation of skin or organs.
- **Classification system:**  
The classification was made according to the latest editions of international substances lists and from component data and msds information
- **NFPA ratings (scale 0 - 4)**



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

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

(Contd. on page 2)

USA

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Reviewed on 12/11/2008

Trade name: I 22B 7034 EFI Black Stencil Ink

· GHS label elements Void

(Contd. of page 1)

## 4 First aid measures

- **General information:** No special measures required.
- **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.

## 5 Fire fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire fighting measures that suit the environment.
- **Special hazards caused by the material, its products of combustion or resulting gases:**  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)
- **Protective equipment:** No special measures required.
- **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

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the collected material according to regulations.
- **Additional information:**  
No dangerous substances are released.  
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

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** None.

USA

(Contd. on page 3)

# Material Safety Data Sheet

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Trade name: I 22B 7034 EFI Black Stencil Ink

(Contd. of page 2)

## 8 Exposure controls and personal protection

· **Components with limit values that require monitoring at the workplace:**

**1333-86-4 Carbon black**

PEL 3.5 mg/m<sup>3</sup>

REL 3.5\* mg/m<sup>3</sup>

\*0.1 in presence of PAHs, as PAHs; 10-hr TWA

TLV 3.5 mg/m<sup>3</sup>

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

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:** Neoprene gloves

· **Material of gloves:** Neoprene gloves

· **Eye protection:** Goggles recommended during refilling.

## 9 Physical and chemical properties

· **General Information**

**Form:** Fluid  
**Color:** Black  
**Odor:** Characteristic

· **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 100°C (212°F)

· **Flash point:** 110°C (230°F)

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

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapor pressure at 20°C (68°F):** 23 hPa (17 mm Hg)

· **Density at 20°C (68°F):** 1.04036 g/cm<sup>3</sup>

· **Solubility in / Miscibility with**

**Water:** Not miscible or difficult to mix.

· **Solvent content:**

**Organic solvents:** 3.5 %

· **Solids content:** 24.8 %

## 10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions:** Reacts with acids, alkalis and oxidizing agents.

(Contd. on page 4)

USA

# Material Safety Data Sheet

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Printing date 12/11/2008

Reviewed on 12/11/2008

Trade name: I 22B 7034 EFI Black Stencil Ink

(Contd. of page 3)

· **Dangerous products of decomposition:** Carbon monoxide and carbon dioxide

## 11 Toxicological information

· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:**

### 1333-86-4 Carbon black

Oral	LD50	10000 mg/kg (rat)
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### 533-74-4 dazomet (ISO)

Oral	LD50	640 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

### 29911-28-2 Dipropylene Glycol Monobutyl Ether

Oral	LD50	3700 mg/kg (rat)
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· **Primary irritant effect:**· **on the skin:** No irritant effect.· **on the eye:** No irritating effect.· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

## 12 Ecological information

· **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water

## 13 Disposal considerations

· **Product:**· **Recommendation:** Smaller quantities can be disposed of with household waste.· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· **DOT regulations:**· **Hazard class:** -· **Label** DOT NOT REGULATED· **Land transport ADR/RID (cross-border):**· **ADR/RID class:** -· **Maritime transport IMDG:**· **IMDG Class:** -· **Air transport ICAO-TI and IATA-DGR:**· **ICAO/IATA Class:** -

(Contd. on page 5)

# Material Safety Data Sheet

acc. to ISO/DIS 11014

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Trade name: I 22B 7034 EFI Black Stencil Ink

(Contd. of page 4)

· UN "Model Regulation": -

## 15 Regulations

· Sara

· Section 313 (Specific toxic chemical listings):

1336-21-6	ammonia	0,206%
533-74-4	dazomet (ISO)	0,08%

· SARA Title III Section 311/312 - Hazard Communication Standard (40 CFR 370)

533-74-4	dazomet (ISO)	0,08%
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· RCRA: Resource Conservation and Recovery Act / Code

533-74-4	dazomet (ISO)	U366	0,08%
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· TSCA (Toxic Substances Control Act):

All ingredients are listed or exempt.

7732-18-5	water, distilled, conductivity or of similar purity
1333-86-4	Carbon black
29911-28-2	Dipropylene Glycol Monobutyl Ether
25322-69-4	polypropylene glycol
1336-21-6	ammonia
533-74-4	dazomet (ISO)

· Cancerogenity categories

· IARC (International Agency for Research on Cancer)

1333-86-4	Carbon black	2B	5,0%
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· NTP (National Toxicology Program)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

1333-86-4	Carbon black	A4	5,0%
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· NIOSH (National Institute for Occupational Safety and Health)

1333-86-4	Carbon black	*	5,0%
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· CERCLA- SARA Title III: 40 CFR Part 302, Table 302.4

533-74-4	dazomet (ISO)	## pounds	0,08%
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· State regulations

· New Jersey Right-to-know

533-74-4	dazomet (ISO)	DOT: 2588 Sub NO>: 3664	0,08%
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· Massachusetts Right-to-know / Hazardous Substance Codes

1333-86-4	Carbon black	2,4 F5	5,0%
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· Minnesota Right To Know / Hazardous Substances

1333-86-4	Carbon black	Codes: ANOR, Carcinogen	5,0%
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· Illinois Right To Know

1336-21-6	ammonia	S5, S6
533-74-4	dazomet (ISO)	S6

· Product related hazard informations:

Observe the general safety regulations when handling chemicals.

(Contd. on page 6)

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## acc. to ISO/DIS 11014

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**Trade name: I 22B 7034 EFI Black Stencil Ink**

(Contd. of page 5)

The product is not subject to identification regulations according to directives on hazardous materials.

· **National regulations:**

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

### 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 R-phrases**

22 Harmful if swallowed.

36 Irritating to eyes.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Contact:** Mike Rickert

· **Abbreviations and acronyms:**

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

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

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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

ICAO: International Civil Aviation Organization

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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent