

Material Safety Data Sheet

Section 1 – Product Identification and Uses

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|--|--|---|--|
| PRODUCT IDENTIFIER <i>Demco Black dispersion extra conc. FDA approved pigment</i> | | PRODUCT IDENTIFICATION NUMBER (PIN) | |
| PRODUCT USE <i>any application that needs a deep black ink</i> | | | |
| MANUFACTURER'S NAME <i>CAM Supply Inc.</i> | | SUPPLIER'S NAME <i>CAM Supply Inc</i> | |
| STREET ADDRESS <i>490 E. Menlo Ave.</i> | | STREET ADDRESS <i>490 E. Menlo Ave.</i> | |
| CITY <i>Hemet</i> | STATE <i>CA</i> | CITY <i>Hemet</i> | STATE <i>CA</i> |
| POSTAL CODE <i>92543</i> | EMERGENCY TELEPHONE NO <i>(951) 765-0808</i> | POSTAL CODE <i>92543</i> | EMERGENCY TELEPHONE NO <i>(951) 765-0808</i> |

Section 2 – Hazardous Ingredients

| INGREDIENTS | % | EEC code | CAS NUMBER | ACGIH TLV (EXPOSURE LIMIT) | LC ₅₀ OF INGREDIENT (SPECIFY SPECIES) |
|--------------------------------------|--------------|-------------|------------------|-----------------------------|--|
| <i>Water</i> | <i>50-60</i> | | <i>7732-18-5</i> | | |
| <i>FDA Carbon Black (CI # 77266)</i> | <i>28</i> | | <i>1333-86-4</i> | <i>3.5 mg/m³</i> | |
| <i>Ethanol</i> | <i>12</i> | <i>1510</i> | <i>64-17-5</i> | | |
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Section 3 – Physical Data

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|---|---|---|--|--|
| PHYSICAL STATE <i>Liquid</i> | ODOUR AND APPEARANCE <i>Low odour, black liquid</i> | | | ODOUR THRESHOLD (PPM) <i>N/A</i> |
| VAPOUR PRESSURE (mm Hg) <i>N/A</i> | VAPOUR DENSITY (AIR=1) <i>N/A</i> | EVAPORATION RATE <i>N/A</i> | BOILING POINT [C] <i>100 °C (212 °F)</i> | FREEZING POINT [C] <i>0 °C (32 °F)</i> |
| PH <i>7.8</i> | SPECIFIC GRAVITY <i>1.16</i> | COEFF WATER/OIL DIST <i>N/A</i> | | |

Section 4 – Fire and Explosion Data

| | | |
|---|--|--|
| FLAMMABILITY YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IF YES UNDER WHICH CONDITIONS? | | |
| MEANS OF EXTINCTION <i>N/A - water-based</i> | | |
| FLASHPOINT [C] AND METHOD <i>Not applicable</i> | UPPER FLAMMABLE LIMIT (% BY VOLUME) <i>Not applicable</i> | LOWER FLAMMABLE LIMIT (% BY VOLUME) <i>Not applicable</i> |
| AUTOIGNITION TEMPERATURE [C] <i>Not applicable</i> | HAZARDOUS COMBUSTION PRODUCTS <i>None</i> | |
| EXPLOSION DATA | SENSITIVITY TO IMPACT <i>Not applicable</i> | SENSITIVITY TO STATIC DISCHARGE <i>Not applicable</i> |

Section 5 – Reactivity Data

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|---|
| CHEMICAL STABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF NO UNDER WHICH CONDITIONS? |
| INCOMPATIBILITY WITH OTHER SUBSTANCES YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IF SO, WHICH ONES? <i>None reasonably foreseen.</i> |
| REACTIVITY, AND UNDER WHAT CONDITIONS <i>None reasonably foreseen.</i> |
| HAZARDOUS DECOMPOSITION PRODUCTS <i>May produce fumes when heated to decomposition.</i> |

Section 6 – Toxicological Properties

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|---|--|---|--|
| ROUTE OF ENTRY SKIN CONTACT <input type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE CONTACT <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> | | | |
| EFFECTS OF ACUTE EXPOSURE TO PRODUCT <i>None reasonably foreseeable</i> | | | |
| EFFECTS OF CHRONIC EXPOSURE TO PRODUCT <i>None reasonably foreseeable</i> | | | |
| EXPOSURE LIMITS <i>Not established</i> | IRRITANCY OF PRODUCT <i>Not established</i> | SENSITIZATION TO PRODUCT <i>Not established</i> | CARCINOGENICITY <i>Not established</i> |
| TERATOGENICITY <i>Not established</i> | REPRODUCTIVE TOXICITY <i>Not established</i> | MUTAGENICITY <i>Not established</i> | SYNERGISTIC PRODUCTS |

Material Safety Data Sheet

Section 7 – Preventive Measures

PERSONAL PROTECTIVE EQUIPMENT

GLOVES (SPECIFY)

Not needed

RESPIRATOR (SPECIFY)

Not needed

EYE (SPECIFY)

Safety glasses recommended

FOOTWEAR(SPECIFY)

Not needed

SPECIAL CLOTHING (SPECIFY)

Not needed

OTHER (SPECIFY)

No other protection is needed.

ENGINEERING CONTROLS (SPECIFY, EG VENTILATION, ENCLOSED PROCESS)

General ventilation

LEAK AND SPILL PROCEDURE

Floors may be slippery. Care should be exercised to avoid falls.

ENVIRONMENTAL SAFETY PRECAUTIONS

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, and diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways.

WASTE DISPOSAL

Dispose in accordance with local, state, and federal regulations.

HANDLING PROCEDURES AND EQUIPMENT

No special instructions. Use normal work procedures.

WORK/HYGIENIC PRACTICES

This product should be stored, handled and used in accordance with good hygiene practices.

STORAGE REQUIREMENTS

Avoid extremes of heat and cold.

SPECIAL SHIPPING INFORMATION

Do not allow to freeze.

Section 8 – First Aid Measures

SPECIFIC MEASURES**Eye Contact:**

Remove contact lenses. Flush with large quantities of water for 15 minutes, holding the eyelids apart. If irritation persists, seek medical attention.

Ingestion:

If accidentally swallowed and symptoms develop, seek medical attention. Keep at rest. Do not induce vomiting.

NEVER induce swallowing in an unconscious person.

Skin Contact:

Wash skin thoroughly with soap and warm water.

Inhalation:

Remove to fresh air.

Section 9 – Other Information

Since the user's working conditions are not known by us, the information supplied on this material safety data sheet is based on our current level of knowledge and on national and community regulations. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements.

Section 10 – Transport Information

Carbon black (dry form) is not classified as a hazardous material by the following country regulations/agencies:

Canadian Transport of Dangerous Goods Regulation

European Transport of Dangerous Goods Regulation

GGVS, GGVE, RID, ADR, IMDG Code, CAQ-T

United Nations (no UN number)

U.S. Department of Transport

International Transportation Identification:

Carbon Black, non-activated, mineral origin

Not dangerous according to IMDG-Code

Not dangerous according to ICAQ-T1

UN Shipping Class: Not Classified

UN Packing Group: Not Classified

U.S. Rail Regulations: Not Classified

HS Tariff Classification Number: 2603.00.0010

NAFTA Classification Number: 2803.00.0010

Special Transportation Notes:

Carbon Black (Mineral Origin) is not restricted by International Air Transport Association Dangerous Goods Regulations or International Maritime Dangerous Goods

Section 11 – Regulatory Information

International and U.S. Regulations:

All components of this product are listed on or are exempt from the following inventories:

| | |
|--------------------|--|
| AICS | Australian inventory |
| NICNAS | Australian inventory |
| HSNO | New Zealand inventory |
| EU | European Inventory |
| EINECS/ELINCS | European inventory |
| IECSC | Chinese inventory |
| SEPA | Chinese inventory |
| CEPA | Canadian inventory |
| DSL/NDSL | Canadian inventory |
| ENCS | Japanese inventory |
| MITI | Japanese inventory |
| TCC-ECL(KECL) | Korean inventory |
| PICCS | Philippine inventory |
| TSCA | Ingredients are certified to be materials or mixtures listed or exempt from the inventory |
| OSHA | This document has been prepared in accordance with MSDS requirements of the OSHA Hazard Communication Standard. |
| RCRA | This mixture and or its contents are not a hazard waste if disposal is required. |
| CERCLA | Components of this mixture are not CERCLA hazardous substances. Splits are not reportable. |
| WHMIS | Class D2A |
| HAP | This mixture does not contain any Hazardous Air Pollutants. |
| VOC | 0.00% |
| ODC | This mixture does not contain any Ozone Depleting Compounds. |
| NAFTA-COO | All materials in this product are manufactured in the United States. |
| TOX | This mixture does not contain any Organic Halogens (EPA 9020) |
| Animal By Products | No products of animal origin have been used to manufacture this mixture. |
| PROP 65: | No Prop 65 chemicals are used in this product. |
| CWA (40CFR 116) | This mixture is not on a Clean Water Act list. |
| CAA of 1990 | This mixture is not made with nor does it contain any Class 1 or Class 2 ozone depleting substances as defined under the 1990 amendments to the act. |
| SARA (302) | This mixture does not contain any constituents that are identified as extremely hazardous. |
| SARA (313) | This mixture does not contain any substances identified under Section 313 as toxic chemicals In Excess of the <i>de minimis concentrations</i> necessary to be subject to this rule. |
| FDA | Section of the U.S. Code of Federal Regulations (21 CFR) under which this mixture is accepted: 175.105, 175.125, 175.210, 175.230, 175.250, 175.260, 175.270, 175.300, 175.320, 175.350, 175.360, 175.365, 175.380, 175.390, 176.180, 176.210, 177.1210, 177.1650, 177.1680, 177.2260, 177.2400, 177.2410, 177.2600, 177.2800, 178.3297, 178.3400, 180.1001-C, 180.1001-E |

Section 12 – Preparation Date of MSDS

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|---|--|---|
| HMIS Ratings: Health | 1 | HMIS Index: 0 minimal 1 slight 2 moderate 3 serious 4 severe |
| PREPARED BY (GROUP DEPARTMENT, ETC) <i>Alex Dear – Laboratory</i> | PHONE NUMBER <i>(450) 672-9931</i> | DATE <i>May 5, 2005</i> |

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