



MOSSTYP E

150 Franklin Turnpike, Waldwick, NJ 07463 USA

Phone: (201) 444-8000 ext. 308 Fax: (201) 444-0095 www.mosstypE.com

Material Safety Data Sheet Proofing Ink –Black (7640 0402 25)

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Section I

General Information

Manufacturer

MosstypE Corporation
150 Franklin Turnpike
Waldwick, NJ 07463

Emergency Telephone Number
1 800 255 3924 (Chem-Tel)

Technical & MSDS Information
201-444-8000

Preparation Date
03/2006

Applicable Products:
Proofing Ink -Black

Product Identification
7640 0402 25

Section II

Information on Hazardous Ingredients

| Chemical Name | CAS # | Weight% | OSHA PeI | ACGIH TLV |
|-------------------|-----------|---------|-------------------------|--------------------------|
| Diethylene Glycol | 111-46-6 | 10 – 30 | No PEL established | ND |
| Carbon Black | 1333-86-4 | 10 – 30 | 3.5mg/m3 TWA(Dust Form) | 3.5mg/m3 TWA (Dust Form) |
| Monoethanolamine | 141-43-5 | 1 – 5 | 3 ppm TWA;6mg/m3 TWA | 3 ppm TWA; 7.5mg/m3 TWA |

Section III

Hazards Identification

Routes of Entry:

Skin contact, eye contact. Inhalation.

Aggravated Medical Conditions:

No medical conditions affected by exposure. Kidney disease.
Liver disease.

Immediate (Acute) Health Effects:

Eye Contact:

Can cause minor irritation, tearing and reddening.

Skin Contact:

No hazard in normal industrial use, however may cause minor skin irritation.

Inhalation:

Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

Ingestion:

Not expected to be a hazard in normal industrial use, however avoid ingestion of any industrial product.

Long-Term (Chronic) Health Effects:

Eye Contact:

Upon prolonged or repeated contact, can cause minor irritation, tearing, and reddening.

Skin Contact:

Upon prolonged or repeated contact, may cause minor skin irritation.

Inhalation:

Upon prolonged and/or repeated exposure, may cause minor respiratory irritation.

Skin Absorption:

No absorption hazard in normal industrial use.

Carcinogenicity/Mutagenicity:

None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA. No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Reproductive Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

NIOSH Listed Target Organs for Hazardous Components:

| | | |
|--------------|-----------|---|
| Ethanolamine | 141-43-5 | Skin, eyes, respiratory system, CNS |
| Carbon Black | 1333-86-4 | Respiratory system, eyes, lymphatic cancer (in dust form only.) |

HMIS Ratings: Health=1 Fire=1 Reactivity=0 Protective Equipment=B

| Section IV | First Aid |
|----------------------|---|
| Eyes: | Flush eyes 20 minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice if symptoms persist. |
| Inhalation: | This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure. |
| Skin Contact: | Wash with soap and water. Get medical attention if irritation develops or persists. |
| Ingestion: | Do not induce vomiting. Seek medical attention if any symptoms develop. If necessary, drink two glasses of water or milk to dilute. Provide medical care provider with this MSDS. |

| Section V | Fire Fighting Measures |
|------------------------------------|---|
| Flammability Summary: | Combustible at elevated temperatures. NFPA Class IIIB Liquid. |
| Flash Point: | Flash point is >100 C (212 F). |
| Explosive Limits, % in air: | 1.6 Lower 10.8 Upper |
| Fire Hazards: | Material may be ignited only if preheated to temperatures above the high flashpoint, for example in a fire. Material will burn in a fire. |
| Extinguishing Media: | Use alcohol resistant foam, carbon dioxide, or dry chemical when lighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid. |
| Fire Fighting Instructions: | Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. |

| Section VI | Accidental Release Measures |
|------------------------------------|---|
| Spill Health Precautions: | Avoid unnecessary contact and reference the health effects listed in Section III. Follow personal protective equipment recommendations in Section VIII. |
| Spill Mitigation Procedures | |
| General Methods: | Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike liquid materials with a suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. |
| Water Spills: | Avoid runoff into storm sewers and ditches that lead to waterways. |
| Land Spills: | Absorb the liquid and scrub the area with detergent and water. |

| Section VII | Handling and Storage |
|--------------------|--|
| Handling: | Mildly irritating material. Avoid unnecessary exposure. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Follow all protective equipment recommendations provided in Section VIII. |
| Storage: | Store in a cool dry place. Isolate from incompatible materials. Store in a tightly closed containers. Keep container closed when not in use. |

| Section VIII | Engineering Controls and Personal Protective Equipment |
|------------------------------|---|
| Engineering Controls: | No engineering controls are expected to be required to maintain operator comfort under normal conditions of use. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits. Good general room ventilation should be sufficient to control airborne contaminants to safe levels. |
| Protective Equipment | |
| Respiratory: | No respiratory protection required under normal use conditions. Follow a respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements whenever workplace conditions warrant the use of a respirator. |
| Eyes: | Wear safety glasses when handling this product to avoid splashing or misting. Wear chemical splash goggles if splashing or high pressure system is used. |
| Skin: | Not normally considered a skin hazard, however practice good personal hygiene by avoiding unnecessary skin contact. A barrier cream and/or impervious gloves may be used. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. |

| Section IX | Physical Data | |
|--|----------------------|------------------|
| Physical State & Color: | Black Paste | |
| Odor: | Mild | |
| Specific Gravity/Density Range: | 1.16 | 9.66 lb/gal |
| Boiling Range: | 100- 243 deg. C | 212 – 473 deg. F |
| Volatile Percent Range: | 26.14 Weight % | 27.98 Volume % |
| VOC Percent Range: | 22.19 Weight % | 23.4 Volume % |
| Coating VOC: | 2.25 lb/gal | 270 g/L |

| Section X | Stability and Reactivity |
|----------------------------------|--|
| Stability Information: | Stable under normal conditions. |
| Conditions to Avoid: | Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Contamination. |
| Chemical Incompatibility: | Strong oxidizing agents. |

| Section XI | | Toxicological Information |
|----------------------|-------------------|---|
| Chemical Name | CAS Number | LD50/LC50 |
| Diethylene Glycol | 111-46-6 | Oral LD50 Rat:> 12565 mg/kg;Oral LD50 Mouse: 23700 mg/kg; Dermal LD50 Rabbit” 11890 gm/kg |
| Carbon black | 1333-86-4 | Oral LD50 Rat: >15400 mg/kg; Dermal LD50 Rabbit: >3gm/kg |
| Ethanol, 2-amino- | 141-43-5 | Oral LD50 Rat: 1720 mg/kg; Dermal LD50 Rabbit: 1mL/kg; Oral LD50 Mouse: 700 mg/kg |

| Section XII | Ecological Information |
|------------------------------------|--|
| Overview (for ingredients): | This material is not expected to be harmful to the ecology. Keep out of waterways. |

| Section XIII | Disposal Considerations |
|--|---|
| Spent Material Characteristics: | Spent or discarded material is not expected to be a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures. |
| Disposal Methods: | Clean up and dispose of according to federal, state, and local environmental regulations. |
| Potential EPA Waste Codes: | Unknown. |
| Components Subject to USEPA Land Disposal Restrictions: | No chemicals subject to land disposal restrictions. |

| Section XIV | Transportation Information | | | | |
|------------------------------|----------------------------|---------------------|----------------------|-------------------|-------------------------|
| Proper Shipping Name: | Hazard Class | UN/NA Number | Packing Group | ERG Number | Subsidiary Risks |
| Not Restricted | N/AP | N/AP | N/AP | N/AP | |

| Section XV | Regulatory Information | |
|--|------------------------|------------------|
| Toxic Substances Control Act (TSCA): All components in this product are on the TSCA Inventory. | | |
| SARA Title III, Section 313; Toxic Chemicals No 313-listed chemicals in this product | CASRN: | Weight %: |
| Clean Air Act; Hazardous Air Pollutants: | CASRN: | Weight % |
| California; Proposition 65: | CASRN: | Weight % |
| Toxic Substances Control Act (TSCA); Section 12(b) No TSCA 12(b) listed chemicals present. | CASRN: | |

| Section XVI | Additional Information |
|--|------------------------|
| Disclaimer: The information provided herein is presented in good faith and complies with the OSHA Hazard Communication Standard, 29 CFR 1910.1200(g). Nothing contained herein constitutes a specification nor does it guarantee warranty for said product. HMIS ratings are provided only as a suggestion, and should be used in conjunction with the complete MSDS information presented herein. | |