



# Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard 29 CFR 1910.1200.  
This standard must be consulted for specific requirements.

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name :** Black Marker

**Drawing Number:**

58-97-1290

**Issue Date:**

February, 2014

**Products:** Fine Point Black Markers,  
Medium Point Black Markers, Stylus and  
Black Marker

**Supersedes Date:**

**Milwaukee Electric Tool Corporation**  
13135 West Lisbon Road  
Brookfield, Wisconsin 53005  
www.milwaukeetool.com

**Company Phone Number:**

262-781-3600 or

1-800-729-3878

**Emergency Contact Number:**  
(United States Only)

1-800-424-9300

(Chemtrec)

## EMERGENCY OVERVIEW

- This product contains liquid ink and is soluble in water.
- Direct eye contact with ink may cause minor, short term irritation.
- Short term skin exposure to ink is not expected to be irritating.
- Inhalation and ingestion of ink are not anticipated routes of exposure during normal conditions of use.

|                 |                      |                                 |                                |                    |                   |
|-----------------|----------------------|---------------------------------|--------------------------------|--------------------|-------------------|
| HMIS Rating:    | Health – 0           | Flammability – 0                | Reactivity – 0                 | PPE – X, B         |                   |
| Hazard Ratings: | 0 = Minimum Hazard   | 1 = Slight Hazard               | 2 = Moderate Hazard            | 3 = Serious Hazard | 4 = Severe Hazard |
| A = Goggles     | B = Goggles & Gloves | C = Face Shield, Gloves & Apron | X = Special, See Sections 7, 8 |                    |                   |

## SECTION 2: COMPONENT DATA

Because of the small amount of ink in these markers (2-4 grams of alcohol-based ink/marker) that is released at a slow rate, none of the ingredients in these markers are considered to be hazardous as defined by OSHA Standard 29 CFR 1910.

## SECTION 3: HAZARDOUS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS and SYMPTOMS from SHORT TERM/ACUTE EXPOSURE

#### • EYE EXPOSURE

This product is not expected to cause eye irritation under normal conditions of use. Symptoms of slight eye irritation may result when direct contact occurs.

#### • SKIN EXPOSURE

Skin contact is not expected to cause skin irritation. Prolonged or repeated direct exposure to the skin may result in symptoms of irritation and redness.

- **INHALATION:**

This product has low volatility and so is not expected to cause respiratory tract irritation during normal conditions of use.

- **INGESTION**

Ingestion may cause slight stomach irritation and discomfort.

**POTENTIAL CHRONIC HEALTH EFFECTS:**

No further data known.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

No further data known.

**CARCINOGENICITY:**

This product is not listed as a known or suspected carcinogen by IARC, OSHA, or the NTP.

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***SECTION 4: FIRST AID MEASURES***

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Because of the small amount of ink in these markers that is released at a slow rate, no first-aid procedures for exposures to the skin, eyes, respiratory tract or gastrointestinal tract are required under normal circumstances. However, if eye irritation occurs, wash eyes with clean water

**EYE CONTACT:**

Hold eyelids open and flush with a steady, gentle stream of water. If the symptoms persist, contact a physician.

**SKIN CONTACT:**

Remove product from the skin by washing with a mild soap and water.

**INHALATION:**

If signs or symptoms of overexposure occur, remove the person to fresh air.

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***SECTION 5: FIRE FIGHTING MEASURES***

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**FIRE AND EXPLOSIVE PROPERTIES:**

|                                  |     |     |
|----------------------------------|-----|-----|
| <b>Flashpoint</b> .....          |     | N/A |
| <b>Flammability Limits</b> ..... | LEL | N/A |
|                                  | UEL | N/A |

**EXTINGUISHING MEDIA:**

In accordance with NFPA guidance as appropriate for surrounding area, dry chemical, foam, water or CO2 fire extinguishers are all acceptable. Note that while water fog extinguishers are also acceptable, do NOT apply a direct stream of water onto burning product because it may cause spreading and increase fire intensity.

**UNUSUAL FIRE & EXPLOSION HAZARDS:**

None known

**FIRE-FIGHTING PROCEDURES AND EQUIPMENT:**

No special procedures or equipment required.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**CLEAN-UP MEASURES:**

Important: As with any spill or leak before responding ensure that you are familiar with the potential hazards and recommendations of the MSDS. Appropriate personal protective equipment must be worn. See Section 8 of this MSDS for PPE recommendations.

Small volumes of residues may be soaked up with absorbents. Spill response materials should be collected for proper disposal.

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**SECTION 7: HANDLING AND STORAGE**

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**HANDLING:**

As with any industrial chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult Section 8 of this MSDS to evaluate personal protective equipment needs.

Do not shake markers and leave caps on markers when not in use.

**STORAGE:**

Store these markers away from heat in well-ventilated area.

**SPECIAL COMMENTS:**

No further data known.

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

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**PERSONAL PROTECTIVE EQUIPMENT:**

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

**EYE PROTECTION:**

None required.

**SKIN PROTECTION:**

None required.

**RESPIRATORY PROTECTION:**

None required.

**ENGINEERING CONTROLS:**

Normal general ventilation is expected to be adequate.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**Physical Appearance** .....Black Color Ink  
**Odor** .....Alcohol Odor  
**Physical State** .....Solid markers containing liquid inks

|                                    |         |
|------------------------------------|---------|
| <b>Water Solubility</b> .....      | Soluble |
| <b>Specific Gravity</b> .....      | N/A     |
| <b>Melting Point</b> .....         | N/A     |
| <b>Boiling Point</b> .....         | N/A     |
| <b>Vapor Pressure (mm/Hg.)</b> ... | N/A     |
| <b>Vapor Density (Air=1)</b> ..... | N/A     |
| <b>Evaporation Rate</b> .....      | N/A     |
| <b>Density at 20° C</b> .....      | N/A     |
| <b>Solvent content</b>             |         |
| <b>Organic solvents</b> .....      | N/A     |
| <b>Water</b> .....                 | N/A     |
| <b>Solids content</b> .....        | N/A     |

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**SECTION 10: STABILITY AND REACTIVITY**

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**INCOMPATIBILITIES:**

These markers and the inks in them are stable and non-reactive with most materials.

**DECOMPOSITION PRODUCTS MAY INCLUDE:**

Thermal decomposition products are dependent on combustion conditions. A complex mixture of airborne solid, liquid, particulates and hazardous gases may evolve when the material burns. Combustion by-products may include:

- Oxides of Nitrogen (NO<sub>x</sub>),
- Carbon Monoxide (CO),
- Carbon Dioxide (CO<sub>2</sub>)

**CONDITIONS TO AVOID:**

Avoid contact with incompatible materials and exposure flames and other sources of heat.

**POLYMERIZATION:**

This product is not expected to polymerize.

**STABILITY:**

This product is stable.

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**SECTION 11: TOXICOLOGY INFORMATION**

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**EYE EFFECTS:**

No further toxicological data known.

**SKIN EFFECTS:**

No further toxicological data known.

**ORAL EFFECTS:**

No further toxicological data known.

**INHALATION EFFECTS:**

No further toxicological data known.

**OTHER:**

Because of the small amount of ink in each marker (2-4 grams) that is released at a slow rate, the inks in them are not considered to pose a significant toxic risk (acute or chronic toxicity) via skin contact, inhalation or ingestion or be corrosive or irritating to the skin or eyes.

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

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

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOTOXICOLOGICAL INFORMATION:**

Small amounts of the inks in these markers are not expected to cause significant adverse effects to the environment. Components of these inks are not biodegradable, biomagnified or bioconcentrated in the environment. This product has not been evaluated for ecotoxicity. As with any industrial chemical, exposure to the environment should be prevented and minimized wherever possible.

**ENVIRONMENTAL FATE:**

The degree of biodegradability and persistence of this product has not been determined.

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**SECTION 13: DISPOSAL CONSIDERATIONS:**

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**WASTE DISPOSAL:**

Ensure that collection, transport, treatment, and disposal of waste product, containers and rinsate complies with all applicable laws and regulations. These markers may be disposed in a municipal landfill in accordance with federal, state and local regulations.

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**SECTION 14: TRANSPORTATION INFORMATION**

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**DOT HAZARDOUS MATERIAL INFORMATION:**

Not otherwise DOT regulated.

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**SECTION 15: REGULATORY INFORMATION**

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**FEDERAL REGULATIONS:**

**NOTE:** This regulatory information included here should not necessarily be considered all-inclusive. These markers and the ink in them are not subject to the reporting requirements of the CERCLA, the SARA, the RCRA, the Clean Air Act and the Clean Water Act (US). Neither are they formulated with, nor do their manufacturing or formulation processes utilize and Class I or II Ozone depleting substances. The ingredients at levels found in this ink have not been listed as carcinogens or reproductive toxicants by the State of California's Safe Drinking Water and Toxic Enforcement Act (Proposition 65). The ingredients in these markers (and their ink) are in compliance with the Toxic Substances Control Act (TSCA). This ink is certified compliant as per ASTM D-4236. Marking Pens are certified per EN71-2 and 71-3.

**Toxic Substance Control Act:**

The components of this product are listed on or exempt from reporting under the TSCA.

**Ozone Depleting Substances:**

This product contains no ozone depleting substances as defined by the Clean Air Act.

**Hazardous Air Pollutants:**

Any components listed below are defined by the Federal EPA as hazardous air pollutants.

**STATE REGULATIONS:**

This product contains mineral oil, and as used, may be regulated by the state used oil regulations. Check with the appropriate state agency to determine whether such a regulation exists.

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**SECTION 16: OTHER INFORMATION**

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**Abbreviations:**

|                   |   |
|-------------------|---|
| <b>TSCA</b>       | Toxic Substance Control Act   |
| <b>ICAO</b>       | International Civil Aviation Organization   |
| <b>IMDG</b>       | International Maritime Dangerous  |
| <b>OSHA</b>       | Occupational Safety and Health  |
| <b>IARC/NTP</b>   | International Agency for Research on Cancer/National Toxicology Program                     |
| <b>SARA</b>       | Superfund Amendments and Reauthorization Act of 1986  |
| <b>ACGIH</b>      | American Conference of Governmental Industrial Hygienists                                   |
| <b>NIOSH/MSHA</b> | National Institute for Occupational Safety Health/<br>Mine Safety and Health Administration |
| <b>WHMIS</b>      | Workplace Hazardous Materials Information System  |

**Prepared by:** Milwaukee Electric Tool Corporation

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