



# Safety Data Sheet

Issuing Date: November 27, 2014      Revision Date: November 27, 2014      Revision Number: 0

## 1. Identification of the Substance/Preparation and the Company Undertaking

### GHS Product Identifier

**Product Name**                      Stainless Steel Ball Tip-Mighty Marker- All colors

### Other Means of Identification

**Part Number**                      78100, 78101, 78102, 78103, 78104, 78105, 78106

**Colors:**                              WHITE, YELLOW, BLACK, RED, BLUE, GREEN, ORANGE

**Formula Code**                      SKM

**Synonyms**                            none

### Recommended use of the chemical and restrictions on use

**Recommended Use**                Marker

**Uses Advised Against**          No information available

### Supplier's Details

#### **Supplier Address**

SKM Industries Inc.  
1012 Underwood Road  
Olyphant, Pa 18447  
Telephone: 570-383-3062

### Emergency Telephone Number

Chemtrec                      US 800-424-9300                      International 703-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the OSHA Hazard Communications Standard 2012 (29 CFR 1910.1200)  
Flammable Liquid Category 3

### GHS Label Elements, including precautionary statements

#### Emergency Overview

**Signal Word** – Warning

**Hazard Statements** –

Skin irritation

Eye irritation

Respiratory irritation

Harmful by inhalation

May be harmful if swallowed

Flammable liquid and vapor

Toxic to aquatic organisms



**Appearance** – Opaque, varies

**Physical state**- Thin viscosity liquid

**Odor** – Aromatic Odor

### **Precautionary Statements**

#### **Prevention**

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

Keep container tightly closed

Avoid breathing dust/vapors/fumes

Wash face and hands and any exposed skin thoroughly after handling

Wear protective gloves/clothing/eye protection/face protection

Use personal protection as required

Keep away from heat/sparks/open flames/hot surfaces

#### **General Advice**

If exposed or concerned: get medical attention/advice

ACUTE HAZARD: At high concentration, dizziness and unconsciousness may occur.

CAUTION: Contains xylene. Harmful or fatal if swallowed. Direct contact may cause skin or eye irritation.

KEEP OUT OF REACH OF CHILDREN.

#### **Eyes**

Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing. If irritation persists seek medical attention/advice.

#### **Skin**

Remove contaminated clothing. Rinse skin with water/shower. If irritation persists seek medical attention/advice.

#### **Inhalation**

Remove patient to fresh air and keep at rest in a comfortable position for breathing. Seek medical attention immediately

#### **Ingestion**

If accidentally swallowed seek medical attention immediately

#### **Fire**

Use CO<sub>2</sub>, dry chemical, foam, or water spray

#### **Spills and Leaks**

Contain and collect spillage. Avoid release to the environment. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### **Storage**

Store in dry well ventilated place. Keep tightly sealed. Prevent unauthorized access.

#### **Disposal**

Dispose of contents/container in approved waste disposal plant

#### **Hazard not Otherwise Classified (HNOC)**

Not applicable

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	OSHA PEL	ACGIH-TLV	Other Limits	
				Recommended	%
Aromatic Hydrocarbon	64742-95-6	TWA 100 ppm	TWA 100 ppm	No Data	20-35
Clay, Silica	1332-58-7	15 mg/m <sup>3</sup>	TWS 15 mg/m <sup>3</sup>	No Data	15-20
1,2,4 Trimethyl Benzene	95-63-6	TWA 100 ppm	TWA 100 ppm	No Data	1-10
Xylene	1330-20-7	TWA 100 ppm	TWA 100 ppm	No Data	1-5
Hydrocarbon Resin	Proprietary	Nonhazardous	No Data	No Data	15-20
May contains one or more of the following...					
Titanium Dioxide	13463-67-7	TWA 10 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup>	No Data	1-30
PNC Green Pigment	1328-53-6	TWA 10 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup>	No Data	1-10
Carbon Black	1333-86-4	TWA 3.5 mg/m <sup>3</sup>	TWA 3.5 mg/m <sup>3</sup>	No Data	1-10
PCN Blue Pigment	147-14-8	TWA 10 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup>	No Data	1-10
Disazo Orange	15793-73-4	No data	No data	No Data	1-10
Organic Yellow(s)	6358-31-2	TWA 10 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup>	No Data	1-10
	6528-34-3				
Pigment Red	2786-76-7	TWA 15 mg/m <sup>3</sup>	TWA 15 mg/m <sup>3</sup>	No Data	1-5
Pigment Orange	36 12236-62-3	TWA 10mg/m <sup>3</sup>	TWA 10mg/m <sup>3</sup>	No Data	1-5
Pigment Yellow	154 68134-22-5	TWA 15 mg/m <sup>3</sup>	TWA 15 mg/m <sup>3</sup>	No Data	1-5

### 4. FIRST AID MEASURES

#### Description of necessary first-aid measures

<b>General Advice</b>	Combustible liquid and vapor. Keep away from heat, sparks, and flames. May cause eye, skin and respiratory tract irritation. If swallowed do not induce vomiting. Get immediate medical attention. In case of doubt, or when symptoms persist, seek medical attention.
<b>Eye Contact</b>	Immediately flush eyes with plenty of water for at least fifteen (15) minutes. Get medical attention immediately.
<b>Skin Contact</b>	Flush skin with plenty of water. Remove contaminated clothing. Was skin thoroughly with soap and water or use a proprietary skin cleanser.
<b>Inhalation:</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular seek medical advice. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.
<b>Ingestion</b>	Seek medical attention immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.

**Protection of First Aiders** Use personal protection equipment.

#### Most important symptoms/effects, acute and delayed

**Most important symptoms/effects** Prolonged or repeated contact may cause skin sensitization or dermatitis. Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage. Intentional misuse by deliberately concentrating or inhaling this product may be harmful or fatal. IARC (International Agency for

Research of Cancer) has classified Carbon Black and Titanium Dioxide as a possible human carcinogen (2B).

**Indication of immediate medical attention and special treatment needed, if necessary**

**Note to physician** Treat symptomatically

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use water fog, dry chemical, carbon dioxide or foam. Use water spray to cool fire-exposed containers and to protect personnel.

**Unsuitable extinguishing media** No information available

**Specific Hazards arising from the chemical** No information available

**Flash Point:** 108°F

**Flammability Limits (% by volume):** LEL 1.9 UEL 12.3

**Unusual Fire Explosion Hazards:** Vapors are heavier than air and may travel along ground, or be moved by ventilation and be ignited by ignition source

**Protective Equipment and Precautions for Firefighters**

Wear appropriate self-contained breathing apparatus MSHA/NIOSH (approved or equivalent) and full protective gear. Cool closed containers exposed to fire with water spray. Avoid inhalation of material or combustion by-products; stay upwind. Prevent spill from entering drains, sewers, streams or other bodies of water. If run-off occurs, notify proper authorities

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Avoid breathing vapours. Evacuate personnel to safe areas. Ensure adequate ventilation.

**Environmental Precautions** Avoid release into the environment. Do not allow to enter drains or watercourses.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Evacuate area of unprotected personnel.

**Methods for Cleaning Up** Contain and absorb the spillage with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth to soak up the product and place in a suitable container for disposal in accordance with the waste regulations. Prevent spill from entering drains, sewers, streams or other bodies of water. If run-off occurs, notify proper authorities. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Dispose of properly in compliance with federal, state, and local regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling** Avoid skin and eye contact. Avoid the inhalation of vapor and mist. Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, sparks, flames, static electricity, or other sources of ignition. Many hot organic chemical vapors or mists are susceptible to sudden spontaneous combustion when mixed with air. Ignition may occur at temperatures below those published in the literature as "auto-ignition" or ignition temperatures. Ignition temperatures decrease with increasing vapor volume and vapor volume and vapor/air contact time, and are influenced by pressure changes. Ignition of organic chemical vapors may occur at typical elevated-temperature process conditions, especially in processes operating under vacuum if subjected to sudden ingress of air, or outside process equipment operating under elevated pressure if sudden escape of vapors or mists to the atmosphere occurs. Any proposed use of this product in elevated- temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep away from heat, sparks and open flames. Keep out of reach of children. Keep container tightly sealed when not in use. Store in cool, well-ventilated place away from incompatible materials. Information on this Material Safety Data Sheets refers to ink used in pens and markers; however, it applies to these inks in bulk. The inks are contained in capillary or valve reservoirs and will not spill or leak under normal conditions

**Incompatible products** Strong oxidizing and reducing agents, strong alkali and strong acids

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Appropriate engineering controls**

**Engineering Measures** Showers, eyewash stations, ventilation systems  
**Local Exhaust:** Not usually needed; **Mechanical (General):** Yes;  
**Special/Other:** None

**Individual protection measures, such as personal protective equipment**

**Eye/Face protection** None under normal use conditions. Avoid eye contact. Wear chemical splash goggles in compliance with OSHA regulation if splashing is possible.

**Skin and body Protection** None under normal use conditions. Avoid repeated or prolonged contact with skin. Wear impervious gloves if needed to prevent possible skin irritation

**Respiratory Protection** None under normal use conditions. If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Use with adequate ventilation. Use NIOSH/MSHA approved respirator if PELs or TLVs are exceeded. No special ventilation is normally required.

**Hygiene Measures** Use in a well-ventilated area. When using do not eat, drink, or smoke. Provide regular cleaning of equipment, work areas and clothing. For bulk material, if direct contact is possible, wear apron, boots, face shield, etc. as needed. Follow label instructions. Wash hands after use and before eating, drinking, smoking, using restrooms, etc.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Property</b>	<b>Value</b>
BOILING POINT	318 to 338 °F
SPECIFIC GRAVITY (H <sub>2</sub> O= 1)	>1 @ 70°F
VAPOR PRESSURE (mm-Hg @ 70°F)	No Data
MELTING POINT	No Data
VAPOR DENSITY (AIR =1)	Greater than (1)
EVAPORATION RATE (Butyl Acetate=1)	Less than one (1)
SOLUBILITY IN WATER	Slight
pH:	No Data
APPEARANCE	Opaque, thick viscosity liquid
ODOR	Aromatic odor

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No data available
<b>Chemical Stability</b>	Stable under normal storage and handling conditions
<b>Possibility of Hazardous reactions</b>	None under normal use
<b>Hazardous Polymerization</b>	Will not occur
<b>Conditions to Avoid</b>	Heat, open flame, sparks, and sources of ignition
<b>Incompatible Materials</b>	Strong oxidizing and reducing agents, strong alkalis and strong acids
<b>Hazardous Decomposition -products</b>	Carbon dioxide, carbon monoxide, smoke, soot and various oxidation by-products.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	None available. There is no data available on the product itself. None of the components of this product are listed as a carcinogen or suspected carcinogen or is considered a reproductive hazard
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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	There is no data available on the product itself
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## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods</b>	Discard empty pen in trash and dispose of in accordance with all applicable local, state and federal regulations. The liquid contents of the pen meet the definition of hazardous waste under RCRA, D001 (ignitable).
<b>Contaminated Packaging</b>	Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

*(Not mean to be all inclusive)*

**DOMESTIC HIGHWAY (Containers < 1 Quart are Limited Quantity)**

**PROPER SHIPPING NAME:**Paint

**HAZARD CLASS/SUBSIDIARY HAZARD:** 3

UN/NA NO. UN1263  
PACKING GROUP: III  
LABEL REQUIRED: Combustible Liquid (2)  
DOMESTIC AIR SHIPMENTS (PENS)  
PROPER SHIPPING NAME: Consumer Commodity  
HAZARD CLASS/SUBSIDIARY HAZARD: 9  
UN/NA NO. I.D. 8000  
PACKING GROUP: None  
LABEL REQUIRED: Class 9

## 15. REGULATORY INFORMATION

*(Not meant to be all inclusive- selected regulations represented)*

### U.S. FEDERAL REGULATIONS:

CARCINOGENICITY: NTP: No IARC Monographs: 2B OSHA Regulations: No

OSHA: Hazardous by definition of Hazard Communications Standard (29 CFR 1910.1200)

**SECTION 313 REPORTING REQUIREMENTS:** This product contains Xylene (1330-20-7) and 1,2,4 Tri Methyl Benzene (95-63-6) which are listed and may require reporting under SARA Title III Sec. 313 if used over the threshold reporting quantity. This information must be included in all MSDSs that are copied and distributed for this material.

### INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: Not WHMIS controlled (pens)

### STATE REGULATIONS:

**CALIFORNIA PROPOSITION 65:** WARNING: This product contains a chemical known to the State of California to cause cancer. Benzene, Ethyl benzene

## 16. OTHER INFORMATION

Health Hazard 2

Flammability 2

Reactivity 0

Personal Protection B

SKM has been advised by attorney that the OSHA Hazard Communication Standard does not apply to the SKM products listed in this SDS. The explanation for the exemption is contained in 29 CFR 1910.1200(b)(6)(ix) as amended July 1, 2002 per the code of Federal Regulations. This information contained in this MSDS is forwarded to you for your information, but is not meant to imply that the Hazard Communication Standard covers the product nor is this SDS meant to comply with all requirements of the Hazard Communication Standard.

**End of Safety Data Sheet**