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

**GHS Product Identifier**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Super Met-Al Metal Tip Marker – All Colors</th>
</tr>
</thead>
</table>

**Other Means of Identification**

|-------------|-----------------------------------------------|

<table>
<thead>
<tr>
<th>Formula Code</th>
<th>SKM104</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Synonyms</th>
<th>Super Met-Al Fine Line Marker</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Recommended Use</th>
<th>Solvent Base Marker</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Uses Advised Against</th>
<th>No information available</th>
</tr>
</thead>
</table>

**Supplier’s Details**

<table>
<thead>
<tr>
<th>Supplier Address</th>
<th>SKM Industries Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1012 Underwood Road</td>
<td>Olyphant, Pa 18447</td>
</tr>
</tbody>
</table>

| Telephone        | 570-383-3062 |

**Emergency Telephone Number**

<table>
<thead>
<tr>
<th>Chemtrec US 800-424-9300</th>
<th>International 703-527-3887</th>
</tr>
</thead>
</table>

# 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
- Skin Corrosion/Irritation Category 2
- Serious eye damage/Eye Irritation Category 2A
- Acute Toxicity Inhalation Category 4
- Acute Toxicity Skin Category 4
- Aspiration Hazard Category 1
- Carcinogenicity Inhalation Category 2
GHS Label Elements, including precautionary statements

Signal Word – Danger

Hazard Statements –
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
Harmful if inhaled.
Harmful in contact with skin.
May be fatal if swallowed and enters airways.
May cause damage to organs through prolonged or repeated exposure by inhalation.
Suspected of causing cancer if inhaled.
Flammable liquid and vapor.

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
Obtain special instructions before use
Keep container tightly closed
Use only in a well ventilated area
Do not breathe dust/vapors/fumes
Wash face and hands and any exposed skin thoroughly after handling
Wear protective gloves/clothing/eye protection/face protection
Keep away from heat/sparks/flame hot surfaces – no smoking
Use explosion proof electrical/ventilating/lighting equipment
Ground/bond container and receiving equipment.
Use non sparking tools
Take precautionary measures against static discharge

Response:
If exposed or concerned: get medical attention/advice.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
If swallowed: Immediately call a poison center/doctor. Do not induce vomiting.
In case of fire: Use CO2, dry chemical, foam or water spray to extinguish.

Storage:
Store in a well-ventilated place.
Keep cool.
Store locked up.
Keep container tightly closed.

**Disposal**
Dispose of contents/container in approved waste disposal plant.

**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. Avoid inhalation. Direct contact may cause skin or eye irritation.
KEEP OUT OF REACH OF CHILDREN.

**Fire**
Use CO2, dry chemical, foam, or water spray

**Spills and Leaks**
Contain and collect spillage

Hazard not Otherwise Classified (HNOC)
Not applicable

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>10-40</td>
<td>*</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>10-40</td>
<td>*</td>
</tr>
<tr>
<td>Resin</td>
<td>proprietary</td>
<td>5-40</td>
<td>*</td>
</tr>
<tr>
<td>Colorant</td>
<td>proprietary</td>
<td>1-10</td>
<td>*</td>
</tr>
</tbody>
</table>

* The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of necessary first-aid measures**

**General Advice**
In case of doubt, or when symptoms persist, seek medical attention.

**Eye Contact**
Immediately flush eyes with plenty of water for at least fifteen (15) minutes. Get medical attention immediately.

**Skin Contact**
Flush skin with plenty of water. Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleanser.

**Inhalation:**
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.

**Ingestion**
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**
No information available

**Indication of immediate medical attention and special treatment needed, if necessary**
Note to physician  Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical, carbon dioxide, regular foam. For large fires, use foam or flood with fine water spray

Unsuitable extinguishing media  No information available

Specific Hazards arising from the chemical  No information available

Flash Point:  70°F  
Flammability Limits (% by volume):  Lower – 1.1%; Upper – 6.4%

Unusual Fire Explosion Hazards:
Sensitivity to mechanical impact - NONE
Sensitivity to static discharge - YES

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.

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.

Methods for Cleaning Up  Contain 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.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling  Avoid skin and eye contact. Avoid the inhalation of vapor and mist.

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge. Use only in an area containing flame proof equipment. Ensure adequate ventilation. Empty containers pose a potential fire and explosion hazard. Do not cut puncture or weld containers.

Conditions for safe storage, including any incompatibilities

Incompatible products  Strong oxidizing agents, strong acids, strong reducing agents, strong alkalis.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>TWA 10 mg/m3</td>
<td>TWA 15 mg/m3 total dust</td>
<td>IDHL 5000 mg.m3</td>
</tr>
<tr>
<td></td>
<td>Vacated TWA 5 mg/m3</td>
<td>Total dust</td>
<td></td>
</tr>
<tr>
<td>Xylene</td>
<td>STEL 150 ppm</td>
<td>TWA 100 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWL 100 ppm</td>
<td>TWA 435mg/m3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Vacated TWA 100 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Vacated TWA 435 mg/m3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Vacated STEL 150 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Vacated STEL 655 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Measures  Showers, eyewash stations, ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face protection  None under normal use conditions. If splashes are likely to occur wear chemical splash goggles.

Skin and body Protection  None under normal use conditions. Risk of contact: Aprons, boots, chemical resistant gloves.

Respiratory Protection  None under normal use conditions. If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point:</td>
<td>282 to 286°F</td>
</tr>
<tr>
<td>Specific Gravity (H2O = 1) @ 70°F</td>
<td>&gt;1</td>
</tr>
<tr>
<td>Vapor Pressure (mm-Hg @ 70°F):</td>
<td>No Data</td>
</tr>
<tr>
<td>Melting Point:</td>
<td>No Data</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1):</td>
<td>Greater than one (1)</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1):</td>
<td>Less than one (1)</td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td>Negligible</td>
</tr>
<tr>
<td>PH:</td>
<td>No Data</td>
</tr>
<tr>
<td>Appearance and Odor:</td>
<td>Opaque, thin viscosity liquid with aromatic odor.</td>
</tr>
<tr>
<td>Volatile Organic Compound:</td>
<td>705 grams per liter</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information  None available. There is no data available on the product itself.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>LD50 oral</th>
<th>LD50 Dermal</th>
<th>LD50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>3500 mg/kg rat</td>
<td>4350 mg/kg rabbit</td>
<td>29.08 mg/l rat</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>1000 mg/kg rat</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Ecotoxicity  There is no data available on the product itself

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods  Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated Packaging  Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOMESTIC HIGHWAY (Containers < 1 Quart are ORM-D)
PROPER SHIPPING NAME: Consumer Commodity
HAZARD CLASS/SUBSIDIARY HAZARD: ORM-D
UN.NA NO. None
PACKING GROUP: None
LABEL REQUIRED: ORM-D

15. REGULATORY INFORMATION

TSCA INVENTORY:  The product on this SDS is not listed on the Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on the TSCA Inventory.

US Regulatory Rules:

Section 313 or Title III of SARA. This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations Part 372.

Titanium Dioxide 13463-67-7

Xylene 1330-20-7
SARA 311-312 Hazard categories
Acute Health Hazard  YES
Chronic Health Hazard  YES
Fire Hazard  YES
Sudden release of Pressure Hazard  NO
Reactive Hazard  NO

California Proposition 65  Titanium Dioxide 13463-67-7 carcinogen
MA Right to know List  Xylene 1330-20-7 Listed
New Jersey Right to Know  Xylene 1330-20-7 Listed
Pennsylvania Right to Know  Xylene 1330-20-7 Listed

16. OTHER INFORMATION

Health Hazard 2  Flammability 3  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