Safety Data Sheet

Issuing Date: January 31, 2015 Revision Date: June 22, 2015 Revision Number: 1

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

GHS Product Identifier

Product Name Super Met-Al Metal Tip Marker – All Colors

Other Means of Identification

Part Number 1296-1295 White, 1296-1323 Black, 1296-1324 Yellow, 1296-1326 Red, 1296-1500 Blue, 1296-1600 Green, 1296-1700 Neon Orange, 1296-1800 Neon Red, 1296-1900 Neon Yellow, 1296-3000 Nuclear White, 1296-3011 Metallic Gold, 1296-3012 Metallic Silver, 1296-9000 Brown, 1296-9001 Purple

Formula Code SKM104

Synonyms Super Met-Al Fine Line Marker

Recommended use of the chemical and restrictions on use

Recommended Use Solvent Base 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
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

Specific target Organ Toxicity (single Exposure) respiratory tract irritation Category 3
Specific target Organ Toxicity (repeated Exposure) Inhalation Category 2

GHS Label Elements, including precautionary statements

Emergency Overview

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

Chemical Name	CAS -No	Weight %	Trade Secret
Xylene	1330-20-7	10-40	*
Titanium Dioxide	13463-67-7	10-40	*
Resin	proprietary	5-40	*
Colorant	proprietary	1-10	*

* 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

Storage Keep away for open flame, hot surfaces and sources of ignition. Keep containers tightly closed. Observe label precautions. Store between 5-25° C in a dry, well ventilated place. Prevent unauthorized access.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium Dioxide 13463-67-7	TWA 10 mg/m3	TWA 15 mg/m3 total dust Vacated TWA 5 mg/m3 total dust	IDHL 5000 mg.m3
Xylene 1330-20-7	STEL 150 ppm TWL 100 ppm	TWA 100 ppm TWA 435mg/m3 Vacated TWA 100 ppm Vacated TWA 435 mg/m3 Vacated STEL 150 ppm Vacated STEL 655 mg/m3	-

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

Property	Value
Boiling Point:	282 to 286°F
Specific Gravity (H20=1) @70°F:	>1
Vapor Pressure (mm-Hg @ 70°F):	No Data
Melting Point:	No Data
Vapor Density (AIR = 1):	Greater than one (1)
Evaporation Rate (Butyl Acetate = 1):	Less than one (1)
Solubility in Water:	Negligible
PH:	No Data
Appearance and Odor:	Opaque, thin viscosity liquid with aromatic odor.
Volatile Organic Compound:	705 grams per liter

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.

Chemical	LD50 oral	LD50 Dermal	LD50 Inhalation
Xylene	3500 mg/kg rat	4350 mg/kg rabbit	29.08 mg/l rat
Titanium dioxide	1000 mg/kg rat	-	-

12. ECOLOGICAL INFORMATION

Ecotoxity 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