



Safety Data Sheet

Issuing Date: 20 November 2014

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Revision Number: 3

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

GHS Product Identifier

Product Name Super Met-Al Water-Based U.V. Marker

Other Means of Identification

Part Number:

Bulk Stock

04510 (Clear)

W4500 (WATER-BASED): (White)

Carded Stock

04511 (Clear)

Color Clear (visible under black light)

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 & Canada 800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This product is not classified as dangerous according to the OSHA Hazard Communications Standard 2012 (29 CFR 1910.1200)

Flammable Liquid - Category 2

Serious eye damage/irritation - Category 2A

Specific target organ toxicity (single exposure) – Category 3

GHS Label Elements, including precautionary statements

Emergency Overview

Signal Word – Danger

Hazard Statements –

Highly flammable liquid and vapour

Causes serious eye irritation

May cause respiratory irritation



Appearance – clear
Physical state- Liquid
Odor – Mild Odor

Precautionary Statements

Prevention

Keep container tightly closed
Keep away from heat/sparks/flame hot surfaces – no smoking
Wear protective gloves/clothing/eye protection/face protection
Use explosion proof electrical/ventilating/lighting equipment
Ground/bond container and receiving equipment.
Take precautionary measures against static discharge
Use non-sparking tools

Wash face and hands and any exposed skin thoroughly after handling
Avoid breathing dust/fumes/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

General Advice

If exposed or concerned: get medical attention/advice.
Call a poison center/doctor if you feel unwell.
Acute Hazard: At high concentrations dizziness from breathing vapors, irritation from eye contact, nausea from ingestion, irritation to nose and throat may occur.
Caution: Contains isopropyl alcohol
Keep out of reach of children

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

Fire

Use CO₂, dry chemical, foam, or water spray

Spills and Leaks

Contain and collect spillage

Storage

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

Disposal

Dispose of contents/container in approved waste disposal plant

Hazard not Otherwise Classified (HNOC)

Potential health effects: Chronic: prolonged or repeated skin contact may cause defatting and dermatitis.
Inhalation: May cause respiratory irritation. Inhalation of vapors may cause drowsiness and dizziness. Skin: can cause irritation if absorbed through skin. May cause pain and stinging.

Eye Contact: Can cause irritation to eyes. May cause burning and flow of tears.
Ingestion: Causes gastrointestinal irritation with nausea, vomiting and diarrhoea.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS -No	Weight %	Trade Secret
Water	7732-18-5	10-70	*
Isopropyl Alcohol	67-63-0	10-30	*
Resin	proprietary	5-10	*
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** 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. Get medical attention immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If breathing is irregular seek medical advice immediately.
- Ingestion** Get immediate medical attention. Give two glasses of water or milk. 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

At high concentrations dizziness from breathing vapors, irritation from eye contact, nausea from ingestion, irritation to nose and throat may occur.

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

Note to physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, carbon dioxide, dry chemical, alcohol resistant foam, water in the ink will stop fire after flash.

Unsuitable extinguishing media No information available

Specific Hazards arising from the chemical No information available

Flash Point: 56°F

Flammability Limits (% by volume): lower explosive limit 5.3% Upper explosive limit 19.0%

Unusual Fire Explosion Hazards: water on fire a cause frothing

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. Use water spray to cool fire exposed area and to protect personnel.

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 Contain the spillage with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations

Methods for Cleaning Up: Clean, preferably with detergent: avoid use of solvents. Remove source of ignition. Flush with water, wipe up with rags. Ventilate. Do not allow the product enters drains or sewers, immediately contact the local water company; in case of contamination of streams, rivers or lakes, notify the relevant environment agency.

7. HANDLING AND STORAGE

Precautions for safe handling

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

Conditions for safe storage, including any incompatibilities

Storage Observe label precautions. Store between 5-25° C in a dry, well ventilated place. Prevent unauthorized access. Keep container closed when not in use.

Incompatible products Unknown

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Guidelines

Component	CAS No	OSHA TWA	ACGIH TWA
Isopropyl alcohol	67-63-0	PEL: 400ppm	TLV: 200 ppm STEL: 400 ppm

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

Skin and body Protection None under normal use conditions

Respiratory Protection Use in a well-ventilated area. If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn

Hygiene Measures 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

<u>Property</u>	<u>Value</u>
Boiling Point	173°F
Specific Gravity (H ₂ O = 1) @ 70°F	0.79
Vapor Pressure (mm-Hg @ 70°F)	440 mm Hg
Melting Point	-121°F
Vapor Density (AIR = 1)	1.6
Autoignition	545°F
Solubility in Water	complete
PH	No Data
Flash Point (closed cup)	56°F
Volatile Organic Compound	23.71 grams per liter
Appearance	Mobile liquid liquid
Odor	Mild odor.

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical Stability	Stable
Possibility of Hazardous reactions	None under normal use
Hazardous Polymerization	Will not occur
Conditions to Avoid	Avoid extreme heat, open flames, sparks, and other sources of ignition
Incompatible Materials:	Strong oxidizing agents, acids
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, smoke, soot, and various organic oxidation

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

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

<i>Chemical</i>	LD50 oral	LD50 Dermal	LD50 Inhalation
<i>Isopropyl alcohol</i>	5045 mg/kg rat	12,800 mg/kg rabbit	16,000 mg/l rat

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 Limited Quantity)

Proper Shipping Name: Limited Quantity
Commodity Hazard Class/Subsidiary: Limited Quantity
UN/NA No.: None
Packing Group: None
Label Required: Limited Quantity

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.

Isopropyl Alcohol CAS 67-60-0

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 Not listed

MA Right to Know	Isopropyl Alcohol 67-60-0 Listed
New Jersey Right to Know	Isopropyl Alcohol 67-60-0 Listed
Pennsylvania Right to Know	Isopropyl Alcohol 67-60-0 Listed

16. OTHER INFORMATION

HMIS Health Hazard 1 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