



SAFETY DATA SHEET

Original Preparation Date: 12/1/08

SDS#: 0002005-02 Rev E
Revision Date: 8/17/2015

1. Identification

Product identifier Tissue-Tek® Marking Pencil

Other means of identification

Product code 4160

Recommended use Marking substrate

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer/Supplier Sakura Finetek USA Inc.

Address 1750 West 214th St.
Torrance, CA 90501

Telephone 1-310-972-7800

Emergency phone number CHEMTREC: 1-800-424-9300

Email SDSsupport@sakuraus.com

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information

This product does not fall within the scope of the OSHA Hazard Communication Standard in accordance with 29 C.F.R. 1910.1200(b)(6)(ix). In addition, this product is nonhazardous. This Safety Data Sheet (SDS) is being provided as a courtesy. However, using or processing inconsistent with the manufacturer's recommendations or when subjected to unanticipated unusual conditions, this product may present potential health and safety hazards. This document contains important information for proper use, handling and storage of the product under both normal and emergency conditions.

This product bears the PMA Certification Mark issued by the Writing Instrument Manufacturers Association (WIMA). Pencil products bearing the PMA Certification Mark are certified in a program of toxicological evaluation by a medical expert subject to review by the program's Toxicological review board to contain no materials in sufficient quantities to offer an acute or chronic health hazard to humans, even if reasonable amounts are ingested.

Cased pencils bearing the PMA Certification Mark do not require acute toxicity labeling under the Federal Hazardous Substances Act, 15 U.S.C. §1261 et seq., (or latest revision) to minimize hazards to children from residual surface coatings materials and do not require chronic toxicity labeling under the criteria of American Society for Testing Materials Standard D 4236-83 for chronic hazard labeling.

3. Composition/information on ingredients

Mixtures

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

Composition comments All wood cased pencil products.

4. First-aid measures

Inhalation Not relevant, due to the form of the product.
Skin contact Wash off with soap and water. No adverse effects due to skin contact are expected.
Eye contact Not likely, due to the form of the product.
Ingestion First aid normally not needed for small amounts ingested by transferring from hand to mouth.
Most important symptoms/effects, acute and delayed Acute exposures not expected to produce symptomatic response.
Indication of immediate medical attention and special treatment needed Treat symptomatically.
General information This product is not expected to produce adverse effects under normal conditions of use and appropriate personal hygiene.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media None known.
Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions Use methods for the surrounding fire.
Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards Material will burn in a fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up Pick up mechanically. For waste disposal, see section 13 of the SDS.
Environmental precautions None known.

7. Handling and storage

Precautions for safe handling Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits No exposure limits noted for ingredient(s).
Biological limit values No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls General ventilation normally adequate.
Individual protection measures, such as personal protective equipment
Eye/face protection Not normally needed.
Skin protection
Hand protection Not normally needed.
Other Not normally needed.
Respiratory protection Not normally needed.
Thermal hazards Not anticipated.
General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance

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| Physical state | Solid. |
| Form | Dark grey-black pencil. |
| Color | Not available. |

Odor Cedar fragrance.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation Not relevant, due to the form of the product.

Skin contact No adverse effects due to skin contact are expected.

Eye contact Not likely, due to the form of the product.

Ingestion Expected to be a low ingestion hazard.

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| Symptoms related to the physical, chemical and toxicological characteristics | Acute exposures not expected to produce symptomatic response. |
| Information on toxicological effects | |
| Acute toxicity | Not expected to be acutely toxic. |
| Skin corrosion/irritation | Not a skin irritant. |
| Serious eye damage/eye irritation | Not relevant, due to the form of the product. |
| Respiratory or skin sensitization | |
| Respiratory sensitization | Not a respiratory sensitizer. |
| Skin sensitization | This product is not expected to cause skin sensitization. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |
| IARC Monographs. Overall Evaluation of Carcinogenicity | |
| Not listed. | |
| NTP Report on Carcinogens | |
| Not listed. | |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | |
| Not listed. | |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Specific target organ toxicity - single exposure | Not classified. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | Not relevant, due to the form of the product. |
| Further information | This product bears the PMA Certification Mark issued by the Writing Instrument Manufacturers Association (WIMA). Pencil products bearing the PMA Certification Mark are certified in a program of toxicological evaluation by a medical expert subject to review by the program's Toxicological review board to contain no materials in sufficient quantities to offer an acute or chronic health hazard to humans, even if reasonable amounts are ingested. |

12. Ecological information

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|--------------------------------------|---|
| Ecotoxicity | This product is not classified as hazardous to the environment. |
| Persistence and degradability | No data is available on the degradability of this product. |
| Bioaccumulative potential | No data available. |
| Mobility in soil | No data available. |
| Other adverse effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

13. Disposal considerations

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| Disposal instructions | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. |
| Local disposal regulations | Dispose in accordance with all applicable regulations. |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues / unused products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| Contaminated packaging | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

14. Transport information

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| DOT | Not regulated as dangerous goods. |
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IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations**US. Massachusetts RTK - Substance List**

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. Other information, including date of preparation or last revision

Issue date 29-July-2015

Revision date -

Version # 01

Further information HMIS® is a registered trade and service mark of the American Coatings Association (ACA).

HMIS® ratings

Health: 1
Flammability: 1
Physical hazard: 0

NFPA ratings



Disclaimer

Sakura FineTek USA Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.