

SAFETY DATA SHEET**Section 1. Identification of the Product and Company**

Product Name: Green Ultra Mark 2 Marker 83-2719
Product Use: Solvent based marker

Manufactured for: Kimball Midwest
4800 Roberts Rd.
Columbus, Ohio 43228

Phone: 800-233-1294
Company Emergency Phone: 800-233-1294
Chemical Emergency Phone: 800-424-9300 (Chemtrec)
SDS Date of Preparation: May 01, 2020

Section 2. Hazards Identification

The product does not present a hazard in intended use. However, exposure to liquid material from damaged or leaking markers may be hazardous.

GHS Classification:

Physical:	Health:
Flammable Liquid Category 3	Eye Damage Category 1 Specific Target Organ Toxicity -Single Exposure Category 3

GHS Label Elements:**Danger!****Statements of Hazard**

Flammable liquid and vapor.
Causes serious eye damage.
May cause drowsiness or dizziness.

Prevention

Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
Avoid breathing vapors.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear eye protection.

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
In case of fire: Use water spray, carbon dioxide or alcohol-resistant foam to extinguish.

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Storage

Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal

Dispose of contents in accordance with local, state, and federal regulations

Section 3. Composition/Information on Ingredients

Component	CAS Number	% by Weight
Propyl Alcohol	71-23-8	30-70
Titanium dioxide*	13463-67-7	1-10

* The titanium dioxide component is bound within the chemical matrix of this product and no inhalation exposure can occur.

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4. First Aid Measures

Eyes: Immediately flush eyes with plenty of water for 20 minutes while holding the eyelids apart. Get immediate medical attention.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation occurs, get medical attention. Launder clothing before re-use.

Inhalation: Remove victim to fresh air. If irritation or other symptoms develop, get medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Get medical attention.

Most important Symptoms: Direct eye contact with liquid causes severe eye irritation and possible damage. May cause mild skin irritation. Inhalation of concentrated vapors can cause dizziness, drowsiness, and other central nervous system effects. Swallowing may cause gastrointestinal irritation, nausea, and vomiting.

Indication of immediate medical attention/special treatment: Immediate medical attention may be required direct for eye contact with liquid.

Section 5. Fire Fighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use water spray, carbon dioxide or alcohol-resistant foam.

Specific hazards arising from the chemical: Vapors and liquid from damaged or leaking product are classified as flammable and will burn in the presence of an ignition source. However product is not expected to be hazardous during conditions of normal use. Markers may rupture in a fire due to pressure build-up. Thermal decomposition may produce carbon oxides, and irritating gasses and vapors.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Ventilate the area. Remove sources of ignition. Wear eye protection. Wear suitable protective clothing to avoid contact with skin and personal clothing. Avoid breathing vapors.

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Environmental hazards: Keep out of sewers and waterways. Avoid release into the environment. Notify authorities of releases as required.

Methods and Materials for Containment and Cleaning Up: Pick up damaged product, contain and collect any free liquid with an inert absorbent, and place in an appropriate container for disposal. Clean spill area thoroughly.

Section 7. Handling and Storage

Precautions for Safe Handling: Avoid liquid contact with eyes, skin and clothing. Avoid breathing vapors. Use with adequate ventilation. Wash thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, dry, well-ventilated area.

Section 8. Exposure Controls / Personal Protection

Exposure Limits:

Chemical Name	Exposure Limits
Propyl Alcohol	100 ppm TWA ACGIH TLV 200 ppm TWA OSHA PEL
Titanium dioxide*	10 mg/m ³ TWA ACGIH TLV 15 mg/m ³ TWA OSHA PEL (total dust)

* The titanium dioxide component is bound within the chemical matrix of this product and no inhalation exposure can occur.

Engineering Controls: Provide general or local exhaust ventilation to minimize exposure levels and maintain exposure levels below the occupational exposure limits.

Respiratory Protection: None required for normal use.

Eye Protection: None required for normal use. Avoid eye contact

Skin Protection: None required for normal use.

Section 9. Physical and Chemical Properties

Appearance and Odor: Green colored liquid with an alcohol odor contained in a marker.

Physical State: Liquid contained in a marker	Odor Threshold: Not available
Vapor Density: Not available	Initial Boiling Point/Range: 205°F (96°C) (liquid component)
Solubility In Water: Not available	Vapor Pressure: Not available
Relative Density: Not available	Evaporation Rate: Not available
Melting/Freezing Point: Not available	pH: Not available
VOC Content: Not available	Octanol/Water Coefficient: Not available
Viscosity: Not available	Decomposition Temperature: Not available
Flashpoint: 73°F (23°C) (liquid component)	Flammability (solid, gas): Not applicable
Flammable Limits: LEL: 2.1% UEL: 13.5%	Autoignition Temperature: Not available

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Section 10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: Avoid excessive heat.

Incompatible Materials: None expected.

Hazardous Decomposition Products: Thermal decomposition may produce carbon oxides, and irritating gasses and vapors.

Section 11. Toxicological Information

Inhalation: No adverse effects are expected under normal use. Inhalation of concentrated vapors can cause dizziness, drowsiness, and other central nervous system effects.

Eye Contact: Direct eye contact with liquid causes severe eye irritation and possible damage.

Skin Contact: May cause mild skin irritation in some individuals.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea and vomiting.

Chronic Effects: None known.

Sensitization: None of the components are sensitizers.

Carcinogenicity: Titanium dioxide is listed by IARC as a Group 2B carcinogen (Possibly carcinogenic to humans). Titanium dioxide is only carcinogenic in a respirable form. This component is bound within the chemical matrix of this product so no inhalation exposure can occur. None of the other components are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH or OSHA.

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

Mutagenic Effects: None of the components are germ cell mutagens.

Toxicological Data:

Acute Toxicity Estimate: Oral >2000 mg/kg, Dermal >2000 mg/kg

Propyl alcohol: Oral rat LD50: > 2000 mg/kg; Inhalation rat LC50 > 13548 ppm / 4 hr;

Dermal rabbit LD50: 4049 mg/kg

Titanium dioxide: Oral rat LD50: 10,000 mg/kg

Section 12. Ecological Information

Ecotoxicity:

Propyl Alcohol: 96 hr LC50: Pimephales promelas 4,480 mg/L; 48 hr EC50: daphnia magna 3,339-3,977 mg/L;
72 hr EC50 Pseudokirchneriella subcapitata 9,170 mg/L

Persistence and Degradability:

Propyl Alcohol: readily biodegradable.

Titanium dioxide: Not applicable to inorganic compounds.

Bioaccumulative Potential:

Propyl Alcohol: Bioaccumulation is not expected.

Mobility in Soil: No data available.

Other Adverse Effects: None.

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Section 13. Disposal Information

Dispose in accordance with local, state and federal regulations.

Section 14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	UN1210	Printing ink	3	PGIII	No
TDG	UN1210	Printing ink	3	PGIII	No
IMDG	UN1210	Printing ink	3	PGIII	No
IATA	UN1210	Printing ink	3	PGIII	No

Section 15. Regulatory Information

EPA SARA 311/312 Hazards: Classified as per GHS classification in Section 2 of this SDS.

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Hazardous Air Pollutants (HAPS): This product contains the following chemicals listed as an EPA hazardous air pollutants: None

EPA TSCA: All of the components of this product are listed on the TSCA inventory.

California Proposition 65: This product contains titanium dioxide which is known to the state of California to cause cancer. However, the titanium dioxide is inextricably bound within the chemical matrix of the product and no inhalation exposure can occur.

Section 16. Other Information

Date of SDS Revision: May 01, 2020

Revision History: Correction to Sections 1 & 3.

Date of Previous Revision: October 24, 2019

NFPA Ratings: Health: 3 Fire: 3 Instability: 0
HMIS Rating: Health: 3 Fire: 3 Physical Hazard: 0

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Kimball Midwest shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.