

## Safety Data Sheet

Printing date 01/19/2017

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**1 Identification of the substance and manufacturer**

**Trade name:** WHITE TEMPORARY MARKER  
**Product code:** 80596  
**Product category:** PC9a Paints and coatings.  
**Manufacturer/Supplier:** Kimball Midwest  
 4800 Roberts Road  
 Columbus, OH 43228  
 800-233-1294  
 www.kimballmidwest.com  
**Emergency telephone number:** ChemTrec: 800-424-9300

**2 Hazard(s) identification****Classification of the substance or mixture**

Flam. Aerosol 1 H222 Extremely flammable aerosol.  
 Press. Gas H280 Contains gas under pressure; may explode if heated.  
 Eye Irrit. 2A H319 Causes serious eye irritation.  
 STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.  
 STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

**GHS Hazard pictograms**

GHS02 GHS04 GHS07 GHS08

**Signal word****Hazard statements**

Danger  
 Extremely flammable aerosol.  
 Contains gas under pressure; may explode if heated.  
 Causes serious eye irritation.  
 May cause respiratory irritation. May cause drowsiness or dizziness.  
 May cause damage to organs through prolonged or repeated exposure.  
**Precautionary statements**  
 Obtain special instructions before use.  
 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 Do not spray on an open flame or other ignition source.  
 Do not pierce or burn, even after use.  
 Wash hands thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Do not handle until all safety precautions have been read and understood.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Call a POISON CENTER/doctor if you feel unwell.  
 Store locked up.  
 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
 Protect from sunlight. Store in a well-ventilated place.  
 Store in a well-ventilated place. Keep container tightly closed.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

**3 Composition/information on ingredients****Chemical characterization: Mixtures**

**Chemical Description:** This product is a mixture of the substances listed below with nonhazardous additions.

**Dangerous components:**

|            |                   |        |
|------------|-------------------|--------|
| 67-64-1    | Acetone           | 23.37% |
| 1317-65-3  | Calcium Carbonate | 17.98% |
| 74-98-6    | propane           | 17.64% |
| 67-63-0    | Isopropyl Alcohol | 15.0%  |
| 106-97-8   | n-butane          | 10.36% |
| 13463-67-7 | titanium dioxide  | 3.89%  |
| 2807-30-9  | Glycol Ether EP   | 3.36%  |

**4 First-aid measures**

**After inhalation:** Supply fresh air; consult doctor in case of complaints.  
**After skin contact:** Remove contaminated clothing. Wash exposed area with soap and water.  
**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
**After swallowing:** Rinse out mouth and then drink plenty of water.  
 Rinse mouth with water. Do not induce vomiting.  
**Most important symptoms and effects:** Dizziness  
**Indication of any immediate medical attention needed:** No further relevant information available.

**5 Fire-fighting measures**

**Extinguishing agents:** CO2, extinguishing powder or water spray. Fight larger fires with water spray.  
**Special hazards:** Can form explosive gas-air mixtures.

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**Protective equipment for firefighters:** A respiratory protective device may be necessary.

**6 Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Use respiratory protective device against the effects of fumes/dust/aerosol.

**Methods and material for containment and cleaning up:** Absorb liquid components with liquid-binding material.

**7 Handling and storage**

**Precautions for safe handling:** Use only in well ventilated areas.

**Storage requirements:** Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

**8 Exposure controls/personal protection****Components with limit values that require monitoring at the workplace:****67-64-1 Acetone**

PEL (USA) Long-term value: 2400 mg/m<sup>3</sup>, 1000 ppm  
 REL (USA) Long-term value: 590 mg/m<sup>3</sup>, 250 ppm  
 TLV (USA) Short-term value: 1187 mg/m<sup>3</sup>, 500 ppm  
 Long-term value: 594 mg/m<sup>3</sup>, 250 ppm  
 BEI

**74-98-6 propane**

PEL (USA) Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm  
 REL (USA) Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm  
 TLV (USA) refer to Appendix F in TLVs&BEIs book; NIC-EX

**67-63-0 Isopropyl Alcohol**

PEL (USA) Long-term value: 980 mg/m<sup>3</sup>, 400 ppm  
 REL (USA) Short-term value: 1225 mg/m<sup>3</sup>, 500 ppm  
 Long-term value: 980 mg/m<sup>3</sup>, 400 ppm  
 TLV (USA) Short-term value: 984 mg/m<sup>3</sup>, 400 ppm  
 Long-term value: 492 mg/m<sup>3</sup>, 200 ppm  
 BEI

**106-97-8 n-butane**

REL (USA) Long-term value: 1900 mg/m<sup>3</sup>, 800 ppm  
 TLV (USA) Short-term value: (2370) mg/m<sup>3</sup>, (1000) ppm  
 NIC-EX

**Ingredients with biological limit values:****67-64-1 Acetone**

BEI (USA) 50 mg/L  
 Medium: urine  
 Time: end of shift  
 Parameter: Acetone (nonspecific)

**67-63-0 Isopropyl Alcohol**

BEI (USA) 40 mg/L  
 Medium: urine  
 Time: end of shift at end of workweek  
 Parameter: Acetone (background, nonspecific)

**Hygienic protection:** Immediately remove all soiled and contaminated clothing.  
 Wash hands after use.  
 Avoid contact with the eyes and skin.  
 Do not eat or drink while working.

**Breathing equipment:** A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.

**Hand protection:** Nitrile gloves.  
 Protective gloves. The glove material must be impermeable and resistant to the substance.

**Eye protection:** Tightly sealed goggles

**9 Physical and chemical properties**

**Appearance:** Aerosol.  
**Odor:** Aromatic  
**Odor threshold:** Not determined.  
**pH-value:** Not determined.  
**Melting point/Melting range:** Undetermined.  
**Boiling point:** -44 °C (-47 °F)  
**Flash point:** -19 °C (-2 °F)  
**Flammability (solid, gas):** Extremely flammable.  
**Decomposition temperature:** Not determined.

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|                                                |                                                          |
|------------------------------------------------|----------------------------------------------------------|
| <b>Auto igniting:</b>                          | Product is not self-igniting.                            |
| <b>Danger of explosion:</b>                    | In use, may form flammable/explosive vapour-air mixture. |
| <b>Lower Explosion Limit:</b>                  | 1.5 Vol %                                                |
| <b>Upper Explosion Limit:</b>                  | 12.0 Vol %                                               |
| <b>Vapor pressure:</b>                         | Not determined.                                          |
| <b>Relative Density:</b>                       | Between 0.77 and 0.85 (Water equals 1.00)                |
| <b>Vapor density</b>                           | Not determined.                                          |
| <b>Evaporation rate</b>                        | Not applicable.                                          |
| <b>Partition coefficient: n-octonal/water:</b> | Not determined.                                          |
| <b>Solubility:</b>                             | Not determined.                                          |
| <b>Viscosity:</b>                              | Not determined.                                          |
| <b>Water:</b>                                  | 2.3 %                                                    |
| <b>Solids content:</b>                         | 26.4 %                                                   |

**10 Stability and reactivity**

|                                            |                                                                                                  |
|--------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Reactivity:</b>                         | Stable at normal temperatures.                                                                   |
| <b>Conditions to avoid:</b>                | Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures. |
| <b>Chemical stability:</b>                 | Not fully evaluated.                                                                             |
| <b>Possibility of hazardous reactions:</b> | No dangerous reactions known.                                                                    |
| <b>Incompatible materials:</b>             | No further relevant information available.                                                       |
| <b>Hazardous decomposition:</b>            | No dangerous decomposition products known.                                                       |

**11 Toxicological information****LD/LC50 values that are relevant for classification:****67-63-0 Isopropyl Alcohol**

|            |          |                   |
|------------|----------|-------------------|
| Oral       | LD50     | 4570 mg/kg (rat)  |
| Dermal     | LD50     | 13400 mg/kg (rab) |
| Inhalative | LC50/4 h | 30 mg/l (rat)     |

**106-97-8 n-butane**

|            |          |                |
|------------|----------|----------------|
| Inhalative | LC50/4 h | 658 mg/l (rat) |
|------------|----------|----------------|

**13463-67-7 titanium dioxide**

|            |          |                    |
|------------|----------|--------------------|
| Oral       | LD50     | >20000 mg/kg (rat) |
| Dermal     | LD50     | >10000 mg/kg (rft) |
| Inhalative | LC50/4 h | >6.82 mg/l (rat)   |

|                                              |                               |
|----------------------------------------------|-------------------------------|
| <b>Information on toxicological effects:</b> | No data available.            |
| <b>Skin effects:</b>                         | No irritant effect.           |
| <b>Eye effects:</b>                          | Irritating effect.            |
| <b>Sensitization:</b>                        | No sensitizing effects known. |

**12 Ecological information**

|                                       |                                                                                                                                                               |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Aquatic toxicity:</b>              | Hazardous for water, do not empty into drains.                                                                                                                |
| <b>Persistence and degradability:</b> | The product is easily degradable. However, a residual mark may remain.<br>The product is degradable after prolonged exposure to natural weathering processes. |
| <b>Bioaccumulative potential:</b>     | No further relevant information available.                                                                                                                    |
| <b>Mobility in soil:</b>              | No further relevant information available.                                                                                                                    |
| <b>Other adverse effects:</b>         | No further relevant information available.                                                                                                                    |

**13 Disposal considerations**

Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

**Recommendation:** Completely empty cans should be recycled.

**14 Transport information**

|                                      |                          |
|--------------------------------------|--------------------------|
| <b>UN-Number</b>                     | UN1950                   |
| <b>DOT</b>                           | N/A                      |
| <b>DOT</b>                           | Consumer Commodity ORM-D |
| <b>ADR</b>                           | Aerosols, flammable      |
| <b>Transport hazard class(es):</b>   | 1950 Aerosols            |
| <b>Class</b>                         | 2.1                      |
| <b>Marine pollutant:</b>             | No                       |
| <b>Special precautions for user:</b> | Warning: Gases           |
| <b>EMS Number:</b>                   | F-D,S-U                  |
| <b>Packaging Group:</b>              | --                       |
| <b>UN "Model Regulation":</b>        | UN1950, Aerosols, 2.1    |

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**15 Regulatory information****SARA Section 355 (extremely hazardous substances):**

None of the ingredients in this product are listed.

**SARA Section 313 (Specific toxic chemical listings):**

67-63-0 Isopropyl Alcohol

**TSCA:** All ingredients are listed.**CPSC:** This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.**California Proposition 65 chemicals known to cause cancer:**

13463-67-7 titanium dioxide

**California Proposition 65 chemicals known to cause birth defects or reproductive harm:**

None of the ingredients in this product are listed.

**CANADIAN ENVIRONMENTAL****PROTECTION ACT:****WHMIS Symbols for Canada:**

All hazardous ingredients for this product appear on the Canadian Domestic Substance List.

A - Compressed gas

D2B - Toxic material causing other toxic effects

**EPA:**

67-64-1 Acetone

**16 Other information****Contact:** Regulatory Affairs**Date of preparation / last revision** 01/19/2017 / -