

# SAKURA SOLID MARKERS

83-1531  
thru  
83-1541

HMIS RATING	
Health	N/A
Flammability	N/A
Reactivity	N/A

## MATERIAL SAFETY DATA SHEET

NFPA 704 RATING	
Health	N/A
Flammability	N/A
Reactivity	N/A
NFPA 30B LEVEL	
N/A	

KIMBALL-MIDWEST  
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### 1. PRODUCT IDENTIFICATION

PART NUMBER.....83-1531, 1532, 1533, 1534, 1535, 1536, 83-1537, 1538, 1539, 1540, 1541  
PRODUCT NAME.....Sakura Solid Markers  
CHEMICAL FAMILY.....N/A  
DOT SHIPPING.....Limited Quantity (LQ)

### 2. HAZARDOUS INGREDIENTS

SPECIFIC CHEMICAL IDENTITY, COMMON NAMES OSHA PEL ACGIH TLV STEL %

No hazardous or toxic ingredients.

This product is approved by ACMI (The Art and Creative Material Institute, Inc.) and carries the "AP" seal of non-toxic approval in USA.

All chemical compounds marked with an asterisk (\*) are toxic chemicals subject to the reporting of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture of trade name product is sold. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.

### 3. PHYSICAL DATA

BOILING POINT (RANGE).....180-200°C  
VAPOR PRESSURE PSIG @ 68°F.....N/D  
VAPOR DENSITY (AIR = 1).....N/D  
SOLUBILITY IN WATER.....Insoluble  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1).....>1  
MELTING/FREEZING POINT.....140-150°C  
EVAPORATION RATE (Ether=1).....N/D  
VOC content (by weight).....N/D  
APPEARANCE AND ODOR.....Stick form/ether odor

### 4. FIRE AND EXPLOSION DATA

FLASH POINT.....Not determined  
UPPER EXPLOSIVE LIMIT (%).....Not determined  
LOWER EXPLOSIVE LIMIT (%).....Not determined  
EXTINGUISHING MEDIA.....CO<sub>2</sub>, foam, dry chemical  
SPECIAL FIREFIGHTING PROCEDURES.....No special mention  
FIRE AND EXPLOSION HAZARDS.....None mentioned

### 5. HEALTH EFFECTS DATA

#### SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY.....Inhalation, Ingestion, Skin, Eyes  
HEALTH HAZARDS (ACUTE AND CHRONIC).....None mentioned  
SIGNS & SYMPTOMS OF EXPOSURE.....Not applicable in normal use  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE.....Unknown

### 5. HEALTH EFFECTS DATA (CONT'D)

#### FIRST AID PROCEDURES

EYE CONTACT.....Flush with water for at least 15 minutes; obtain medical attention  
SKIN CONTACT.....Wash with soap and water  
INHALATION.....Remove to fresh air; obtain medical attention  
INGESTION.....Wipe away any material in the mouth, clear airway if obstructed; obtain medical attention

#### SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines).....Not on any lists

### 6. REACTIVITY

STABILITY.....Stable  
INCOMPATIBILITIES.....Strong acids, Oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS.....Carbon monoxide, nitrogen oxides, sulfur oxides upon combustion  
HAZARDOUS POLYMERIZATION.....Will not occur  
HAZARDOUS POLYMERIZATION CONDITIONS.....None known

### 7. PRECAUTIONS FOR SAFE HANDLING & USE

PROTECTIVE EQUIPMENT REQUIREMENTS.....None required under normal conditions  
WASH REQUIREMENTS.....Wash with soap and water before eating, smoking, or using restroom  
SPILL OR LEAK PROCEDURES.....Sweep up, put in a suitable container, hold for disposal  
WASTE DISPOSAL METHODS.....Dispose of remaining material in accordance with local, state, and federal guidelines  
HANDLING & STORAGE.....Keep away from high temperatures and direct sunlight.  
OTHER PRECAUTIONS.....None

### 8. ADDITIONAL INFORMATION

Use self-contained breathing apparatus if TLV limits are exceeded. Do not eat or smoke while using. Wash hands after use.

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S) ALONE AND ARE NOT COMBINED WITH OTHER PRODUCTS. SUCH INFORMATION IS BASED UPON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES AND IS BELIEVED TO BE ACCURATE. NO GUARANTEE OF ACCURACY IS MADE. IT IS THE PURCHASER'S RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.

KIMBALL  
MIDWEST

Your Partner in Performance