

## MATERIAL SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

## CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT ID	1892-1, 1892-3198, 1892-3188, 1892-3047, 1892-XXXX
PRODUCT CLASS	PAINT, WATER BASE
TRADE NAME	WATER REDUCIBLE BAKE ENAMEL

MSDS PREPARATION DATE	3/3/08
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## MANUFACTURER IDENTIFICATION

NAME	K.M. MAKEN & COMPANY INC.
ADDRESS	125 WEST BROADWAY LONG BEACH, NY 11551
TELEPHONE	516-551-8007

EMERGENCY CONTACT	CHEMTREC
EMERGENCY TELEPHONE	800-424-9300

## SECTION 2 - COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

1

CAS#	50-00-0
FORMALDEHYDE (GAS)	
PCT BY WT:	0.187
VAPOR PRESSURE:	18.5 <a href="#">MMHG@68F</a>

## EXPOSURE LIMIT:

ACGIH TLV/TWA:	TWA 1 ppm
ACGIH CEILING:	0.3 ppm
OSHA PEL/TWA:	TWA 0.75 ppm
OSHA STEL:	2 ppm
LC50:	inhalation (rat) - 230-478 ppm/4H
LD50:	oral , rat - 100 mg/kg; dermal (rabbit) - 270 mg/kg
CA PROPOSITON 65	yes

2

CAS#	67-63-0
ISOPROPYL ALCOHOL	
PCT BY WT:	0.5-5
VAPOR PRESSURE:	33.0 <a href="#">MMHG@68F</a>

## EXPOSURE LIMIT:

ACGIH TLV/TWA:	400 ppm
ACGIH CEILING:	500 ppm
OSHA PEL/TWA:	400 ppm
OSHA STEL:	500 ppm
LC50:	rat (8 hrs) - >12,000 ppm
LD50:	oral (rat) - 5540 mg/kg

3 Ethylene Glycol N-Butyl Ether  
 CAS# 111-76-2  
 2-BUTOXYETHANOL  
 PCT BY WT: 6.547  
 VAPOR PRESSURE: [.66MMHG@68F](#)  
 EXPOSURE LIMIT:  
 ACGIH TLV/TWA: 20 ppm (skin)  
 OSHA PEL/TWA: 50 ppm (skin)  
 LC50: Inhalation (mouse) -700 ppm/7 hrs.  
 LD50: oral (rat) - 1746 mg/kg  
 CA PROPOSITON 65 no

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4 ISOBUTYL ALCOHOL  
 CAS# 78-83-1  
 2-METHYL-1-PROPANOL  
 PCT BY WT: 0.5-5  
 VAPOR PRESSURE: 10.0 MMHG@68F  
 EXPOSURE LIMIT:  
 ACGIH TLV/TWA: 50ppm  
 OSHA PEL/TWA: 100 ppm  
 LC50: inhalation (rat) - >8000 ppm/4 hour  
 LD50: oral (rat): 2.5-6.4 g/kg

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5  
 CAS# 78-92-2  
 sec-BUTYL ALCOHOL  
 PCT BY WT: 3.224  
 VAPOR PRESSURE: 10.0 MMHG@68F  
 EXPOSURE LIMIT:  
 ACGIH TLV/TWA: 100 ppm  
 OSHA PEL/TWA: 100 ppm  
 LD50: oral (rat) - 6480 mg/kg

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6  
 CAS# 13463-67-7  
 TITANIUM DIOXIDE  
 PCT BY WT: 20-25  
 EXPOSURE LIMIT:  
 ACGIH TLV/TWA: 10 MG/CU M (TOTAL DUST)  
 OSHA PEL/TWA: 10 MG/CU M (TOTAL DUST)  
 LD50: ORAL (RAT) - >7500 MG/KG (tlo

This product contains one or more reported carcinogens or suspected carcinogens which are noted in Section3. Hazards Identification, CARCINOGENICITY.

This product contains one or more hazardous air pollutants

This product contains pigments, which may become a dust nuisance when removed by abrasive blasting, sanding or grinding.

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**SECTION 3 HAZARDS IDENTIFICATION**

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**POTENTIAL HEALTH EFFECTS**

EYES:	primary irritant.
SKIN:	N/A
INHALATION:	With poor ventilation, vapor or spary mist may irritate respiratory mucous membranes, causing headache and nausea.
INGESTION:	N/A

**ROUTES OF EXPOSURE**

Exposure may be inhalation and/or skin or eye contact., depending on conditions of use.

**CARCINOGENICITY**

OSHA regulates formaldehyde as a coacinogen. Gas is listed on the NTP list of carcinoges.. Gas has been determined to be carcinogenic in animals by IARC. Controversial epidemiological studies of exposed workers have indicated little or no additionasal cancer risk related to exposure.

**CHRONIC EFFECTS:**

none recognized

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**SECTION 4 - FIRST AID MEASURES**

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**EMERGENCY FIRST AID:****EYE CONTACT:**

Flush at once with large amounts of luckwarm water for at least 15 minutes and get medical attention.

**SKIN CONTACT:**

Remove from skin with soap and water. Remove drenched clothing. If irritation persists, consult a physician.

**INHALATION:**

If affected by inhalation of vapor or spray mist, remve to fresh air. If necessary, restore breathing; in this case contact physician at once.

**INGESTION**

If victim is conscious, give 2 glasses of water to dilute. Do not induce vomiting. Consult physician or poison control center at once.

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### SECTION 5 - FIRE FIGHTING MEASURES

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#### FIRE AND EXPLOSIVE PROPERTIES OF THE CHEMICAL:

Flammability Classification		N/A	
Flashpoint		N/A	
Explosion Level	Low		1.1
	High		73

#### EXTINGUISHING MEDIA

Use extinguishing media appropriate for surrounding fire. After water evaporates., remaining material will burn; use CO<sub>2</sub>, dry chemical or foam (National Fire Protection Association Class B extinguisher).

#### FIRE-FIGHTING PROCEDURES AND EQUIPMENT

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat; use water spray to cool. Product in open containers may spatter when the temperature exceeds boiling point of water.

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### SECTION 6 - ACCIDENTAL RELEASE MEASURES

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#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Ventilate as described in section 8. Avoid unnecessary skin contact. Stop and/or contain spill if it can be done safely. Avoid discharge into drains, sewers or waterways

#### CLEAN-UP

Collect by absorption, shovel and/or wet mopping.

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### SECTION 7 - HANDLING AND STORAGE

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#### HANDLING

Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

#### STORAGE

Do not store above 120 degrees F. Close container after each use.

#### SPECIAL COMMENTS

Do not take internally. Wash with soap and water before eating, drinking, smoking or using toilet. Avoid FREEZING this product.

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 SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION
 

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## VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to chemicals in Section 2 is maintained below applicable exposure limits.

## RESPIRATION PROTECTION

Where exposures are below the PEL, no respiratory protection is required. Where exposures exceed the PEL, use a respirator approved by NIOSH or a full protective suit with air supply appropriate for the chemical(s) and level of exposure.

## EYE PROTECTION

Wear safety spectacles with unperforated side shields.

## PROTECTIVE GLOVES

None required for normal application of limited duration is expected. For long or repeated contact, wear chemical resistant gloves.

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 SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES
 

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Vapor density	N?A	
Vapor Pressure	17 mmHg@ 68 degrees F (water)	
Physical State	liquid	
Boiling point range	lower	180 deg F
	higher	343 deg F
Specific Gravity	1.239	
Weight per Volume	10.3 lb/gal.	
VOC - Total	2.68 lbs./gal.	
Evaporation Rate	1.4 (n-butyl acetate=1)	
Volatile by weight	49.5	
Volatile by volume	64.1	

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 SECTION 10 - STABILITY AND REACTIVITY
 

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## STABILITY

This product is stable.

## INCOMPATIBILITIES

None known.

## HAZARDOUS POLYMERIZATION

Will not occur.

## CONDITIONS TO AVOID

High temperatures.

## HAZARDOUS PRODUCTS OF DECOMPOSITION

Heating to decomposition, as in a fire or welding, may produce hazardous fumes. Fumes may contain carbon monoxide, carbon dioxide and oxides of nitrogen.

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 SECTION 11 - TOXICOLOGICAL INFORMATION
 

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No data at this time.

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 SECTION 12 - ECOLOGICAL INFORMATION
 

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No data at this time.

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 SECTION 13- DISPOSAL CONSIDERATIONS
 

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**WASTE DISPOSAL**

Dispose of this product in accordance with applicable local, county, state and federal regulations, by incineration, or treating and disposing in approved facility. Do not incinerate closed containers.

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 SECTION 14 - TRANSPORT INFORMATION
 

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DOT HAZARD CLASS	N/A
DOT PACKAGING GROUP	N/A
DOT LEVEL	NONE
DOT SHIPPING NAME	PAINT
DOT PLACARD	NONE
UN/NA NUMBER	NONE

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 SECTION 15 - REGULATORY INFORMATION
 

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**U.S. FEDERAL REGULATORY INFORMATION**
**TSCA SECTION 8(b) - INVENTORY STATUS**

All components of this product are either listed on the U.S. Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.

**SARA 313 TOXIC CHEMICALS**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

**FORMALDEHYDE (GAS)**

CAS#	50-00-0	PCT BY WT.	0.187
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**2-BUTOXYEHANOL**

CAS#	111-76-2	PCT BY WT.	6.55
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**sec-BUTYL ALCOHOL**

CAS#	78-92-2	PCT BY WT.	3.22
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