



## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**NAME USED ON LABEL:** KANE ACE MX-715, MX-717, MX-719  
**PRODUCT USE:** INDUSTRIAL USE  
**SUPPLIER/MANUFACTURER:** KANEKA TEXAS CORPORATION  
**ADDRESS:** 6161 UNDERWOOD RD  
PASADENA, TEXAS 77507  
**EMERGENCY PHONE:** 800-424-9300 or 703-527-3887  
**TECHNICAL INFORMATION:** 281-291-4421  
**CHEMICAL NAME:** POLY(PROPYLENE GLYCOL)

## SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	EC NUMBER (EINECS)	PERCENTAGE
POLY(PROPYLENE GLYCOL)	25322-69-4	N/A	65-95
BUTADIENE-ACRYLIC COPOLYMER	TRADE SECRET	TRADE SECRET	5-35

## SECTION 3 HAZARDS IDENTIFICATION

**NFPA RATINGS (SCALE 0-4):** HEALTH=2 FIRE=1 REACTIVITY=0

**EMERGENCY OVERVIEW:**

**COLOR:** opaque appearance

**PHYSICAL FORM:** liquid

**MAJOR HEALTH HAZARDS:** respiratory tract irritation, skin irritation, eye irritation, allergic reaction

**PHYSICAL HAZARDS:** Slight fire hazard. Some of these materials may burn, but none ignite readily.

**POTENTIAL HEALTH EFFECTS:**

**INHALATION:**

**SHORT TERM EXPOSURE:** irritation



**LONG TERM EXPOSURE:** same as effects reported in short term exposure

**SKIN CONTACT:**

**SHORT TERM EXPOSURE:** irritation, allergic reaction

**LONG TERM EXPOSURE:** same as effects reported in short term exposure

**EYE CONTACT:**

**SHORT TERM EXPOSURE:** irritation

**LONG TERM EXPOSURE:** same as effects reported in short term exposure

**INGESTION:**

**SHORT TERM EXPOSURE:** irritation

**LONG TERM EXPOSURE:** same as effects reported in short term exposure

**CARCINOGEN STATUS:**

OSHA: No

NTP: No

IARC: No

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## SECTION 4 FIRST AID MEASURES

**INHALATION:** If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Administer oxygen if breathing is difficult. Call 911 or emergency medical services.

**SKIN CONTACT:** Wash skin with soap and water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. Call 911 or emergency medical services.

**EYE CONTACT:** Flush eyes with plenty of water for at least 20 minutes. Call 911 or emergency medical services.

**INGESTION:** If a large amount is swallowed, Call 911 or emergency medical services.

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## SECTION 5 FIRE FIGHTING MEASURES

**FIRE AND EXPLOSION HAZARDS:** Slight fire hazard. Some of these materials may burn, but none ignite readily.

**EXTINGUISHING MEDIA:** Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**FIRE FIGHTING:** Move container from fire area if it can be done without risk. Dike fire control water for later disposal; do not scatter the material.

**FLASH POINT:** 230 C (446 F)

**LOWER FLAMMABLE LIMIT:** Not applicable

**UPPER FLAMMABLE LIMIT:** Not applicable  
**AUTOIGNITION:** Not applicable  
**FLAMMABILITY CLASS (OSHA):** Not applicable

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### OCCUPATIONAL RELEASE:

Do not touch or walk through spilled material. Stop leak if you can do it without risk.

**Small spills:** Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

**Large spills:** Dike far ahead of liquid spill for later disposal. Prevent entry into waterways, sewers, basements or confined areas.

## SECTION 7 HANDLING AND STORAGE

**STORAGE:** Store and handle in accordance with all current regulations and standards. Subject to storage regulations: U.S. OSHA 29 CFR 1910.106. Store in a cool, dry place. Store in a well ventilated area. Keep container tightly closed. Keep separated from incompatible substances.

**HANDLING:** Empty containers may contain residual liquid; therefore, empty containers should be handled with care.

## SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

CHEMICAL NAME	CAS #	EXPOSURE LIMITS IN AIR										
		ACGIH-TLVs		OSHA-PELs		NIOSH-RELs		NIOSH	AIHA WEELs		OTHER	
		TWA	STEL	TWA	STEL	TWA	STEL	IDLH	TWA	STEL		
		ppm/	ppm	ppm	ppm	ppm	ppm	ppm	mg/m <sup>3</sup>	ppm/	mg/m <sup>3</sup>	ppm
May contain trace amounts of the following, as a result of out-gassing or residual monomers:												
Poly(propylene glycol)	25322-69-4	NE	NE	NE	NE	NE	NE	NE	10	NE	AIHA WEELs: (aerosol only)	
Styrene	100-42-5	20	40	100; 50 (vacated 1989 PEL)	200 (ceiling) 600 (5 min. peak in any 3 hours) 100 (vacated 1989 PEL)	10	100	700	NE	NE	DFG MAKs: TWA=20 PEAK=2.MAK, 15 min. average value, 1-hr interval DFG MAK Pregnancy Risk Class: C Carcinogen: IARC-2B <AK-5, TLV-A4	

**MATERIAL SAFETY DATA SHEET**  
**KANE ACE MX-715, MX-717, MX-719**  
**Creation date: November 1, 2006**  
**MSDS# 03056**

Methyl Methacrylate	80-62-6	50 (SEN)	100 (SEN)	100	NE	100	NE	1000	NE	NE	DFG MAKs: TWA = 50 (danger of sensitization of the skin) PEAK = 2•MAK, 15 min. average value, 1-hr interval DFG MAK Pregnancy Risk Class: D Carcinogen: EPA-E, EPA-NL, IARC-3, TLV-A4
1,3-Butadiene	106-99-0	2	NE	1	5	LFC (LOQ 0.19 ppm)	LFC (LOQ 0.19 ppm)		NE	NE	DFG MAKs: Carcinogen EPA-B2; EPA-CaH; IARC-2A; MAK-1; NIOSH-Ca; NTP-K; TLV-A2
Acrylonitrile	107-13-1	2 (skin)	NE	2 (skin)	10 (ceiling)	1 (skin)	10 (ceiling) 15 min. (skin)	85	NE	NE	DFG MAK: Skin; Danger of Sensitization of Skin Carcinogen: EPA-B1, IARC-2B, MAK-2, NIOSH-Ca, NTP-R, OSHA-Ca, TLV-A3-
Glycidyl Methacrylate	106-91-2	NE	NE	NE	NE	NE	NE	NE	0.5		AIHA WEELs: Skin; May cause dermal sensitization

**VENTILATION:** Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

**EYE PROTECTION:** Wear splash resistant safety glasses with side-shields. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**CLOTHING:** Wear appropriate chemical resistant clothing.

**GLOVES:** Wear appropriate chemical resistant gloves.

**PROTECTIVE MATERIAL TYPES:** Not applicable

**RESPIRATOR:** Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.

Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode.

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

**For Unknown Concentrations or Immediately Dangerous to Life or Health -**

Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.

Any self-contained breathing apparatus with a full facepiece.

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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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**PHYSICAL STATE:** viscous liquid

**COLOR:** opaque appearance

**ODOR:** sweet odor

**BOILING POINT:** Not available

**MELTING POINT:** Not available

**VAPOR PRESSURE:** Not available

**RELATIVE DENSITY (water=1):** 1.0-1.2

**WATER SOLUBILITY:** almost insoluble

**PH:** Not available

**PERCENT VOLATILES:** Not available

**ODOR THRESHOLD:** Not available

**EVAPORATION RATE (n-BuAc=1):** Not applicable

**COEFFICIENT OF WATER/OIL DISTRIBUTION:** Not available

**EXPANSION RATIO:** Not applicable

**VISCOSITY:** Not available

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## SECTION 10 STABILITY AND REACTIVITY

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**REACTIVITY:** Stable at normal temperatures and pressure.

**CONDITIONS TO AVOID:** Avoid heat, flames, sparks and other sources of ignition.

Containers may rupture or explode if exposed to heat. Keep out of water supplies and sewers.

Avoid contact with incompatible materials.

**INCOMPATIBILITIES:** oxidizing materials

**HAZARDOUS DECOMPOSITION:**

Thermal decomposition products (combustion): oxides of carbon, irritating and highly toxic gases

**POLYMERIZATION:** Hazardous polymerization will not occur.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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**KANE ACE MX-715, MX-717, MX-719:**

**TOXICITY DATA:**

**POLY (PROPYLENE GLYCOL):**

Draize test, **rabbit**, eye: 500 mg Mild; Draize test, **rabbit**, eye: 500 mg/24H Mild; Draize test, **rabbit**, eye: 500 mg/24H Mild; Draize test, **rabbit**, eye: 500 mg/24H Mild; Draize test, **rabbit**, skin: 500 mg Mild; Draize test, **rabbit**, skin: 500 mg/24H Mild; Draize test, **rabbit**, skin: 500 mg/24H Mild; Oral, **rat**: LD50 = 3750 mg/kg; Oral, **rat**: LD50 = >2 gm/kg; Oral, **rat**: LD50 = 14800 mg/kg; Oral, **rat**: LD50 = 5840 mg/kg; Oral, **rat**: LD50 = 2410 mg/kg; Oral, **rat**: LD50 = 5840

**SUSPECTED CANCER AGENT:** This material is not found on the following lists: U.S. FEDERAL OSHA Z LIST, NTP, IARC, and CAL/OSHA and therefore are neither considered to be nor suspected to be cancer causing agents by these agencies.

**REPRODUCTIVE TOXICITY INFORMATION:** The components of these products are not reported to cause mutagenic, embryotoxic, teratogenic, or reproductive effects in humans.

**ACGIH BIOLOGICAL EXPOSURE INDICES:** There are no ACGIH Biological Exposure Indices (BEIs) determined for this material.

**TARGET ORGANS:** respiratory system, skin, eyes

**HEALTH EFFECTS:**

**INHALATION**

**ACUTE EXPOSURE:** May cause irritation of the mucous membranes and upper respiratory tract.

**CHRONIC EXPOSURE:** Same effects as listed in acute exposure.

**SKIN CONTACT**

**ACUTE EXPOSURE:** May cause sensitization and allergic reaction in sensitive individuals. Symptoms can include itching, welts and redness.

**CHRONIC EXPOSURE:** Same effects as listed in acute exposure.

**EYE CONTACT**

**ACUTE EXPOSURE:** May cause irritation.

**CHRONIC EXPOSURE:** Same effects as listed in acute exposure.

**INGESTION:**

**ACUTE EXPOSURE:** May cause irritation of the mouth, esophagus, and other tissues of the digestive system.

**CHRONIC EXPOSURE:** Same effects as listed in acute exposure.

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**SECTION 12 ECOLOGICAL INFORMATION**

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**ECOTOXICITY DATA:** This product may be harmful to terrestrial and aquatic plant and animal life (especially if large quantities are released).

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with all applicable U.S. Federal, State, and local regulations, or the applicable standards of Canada and its Provinces. Subject to disposal regulations: U.S. EPA 40 CFR 262.

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**SECTION 14 TRANSPORT INFORMATION**

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**U.S. DOT 49 CFR 172.101:**

**PROPER SHIPPING NAME:** Not regulated

**ID NUMBER:** Not applicable

**HAZARD CLASS OR DIVISION:** Not applicable

**PACKING GROUP:** Not applicable

**LABELING REQUIREMENTS:** Not applicable

**CANADIAN (TDG) TRANSPORTATION OF DANGEROUS GOODS:**

**SHIPPING NAME:** Not regulated

**UN/ID NUMBER:** Not applicable

**CLASSIFICATION:** Not applicable

**PACKING GROUP:** Not applicable

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**SECTION 15 REGULATORY INFORMATION**

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**U.S. REGULATIONS:**

**CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):** Methyl methacrylate = 1000 lbs (454 Kg); Styrene = 1000 lbs(454 Kg), 1,3-Butadiene = 10 lbs (4.54 Kg); Acrylonitrile = 100 lbs (45.4 kg)

**SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):** Not regulated.

**SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40):** Acrylonitrile = 100 lbs (45.4 kg)

**SARA TITLE III SARA SECTIONS 302 THRESHOLD PLANNING QUANTITY (40 CFR 355.50):** Acrylonitrile = 10000 lbs (4540 Kg)

**SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):**

ACUTE: Yes

CHRONIC: Yes

FIRE: No

REACTIVE: No

SUDDEN RELEASE: No

**SARA TITLE III SECTION 313 (40 CFR 372.65):**

Methyl methacrylate

Styrene

1,3-Butadiene

Acrylonitrile

**OSHA PROCESS SAFETY (29CFR1910.119):** Not regulated.

**STATE REGULATIONS:**

**California Proposition 65:**

1,3-Butadiene (cancer)

April 1, 1988

1,3-Butadiene (developmental, female, male)

April 16, 2004

Acrylonitrile (cancer)

July 1, 1987

**CANADIAN REGULATIONS**

**WHMIS CLASSIFICATION: D2B**



**EUROPEAN REGULATIONS:**

**EC CLASSIFICATION (CALCULATED):** Not determined

**EC RISK AND SAFETY PHRASES:**

**NATIONAL INVENTORY STATUS:**

**U.S. INVENTORY (TSCA):** The components of this product are listed on the TSCA inventory or exempt as polymers

**TSCA 12(b) EXPORT NOTIFICATION:** Butadiene dimer; Glycidyl methacrylate

**CANADA INVENTORY (DSL/NDL):** The components of this product are listed on the DSL inventory or exempt as polymers.

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## **SECTION 16 OTHER INFORMATION**

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This Material Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR, 1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of Kaneka Texas Corporation's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to this specific product. If this product is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.