

Created June 27, 2013

Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name	KANE ACE MP-91
Supplier/Manufacturer's name	KANEKA Corporation
Address	ARK MORI BUILDING 12-32, 1-CHOME AKASAKA, MINATO-KU, TOKYO 107-6025, JAPAN
Phone number	TEL +81-3-5574-8030; FAX +81-3-5574-8128
Emergency contact	High Performance Polymers Division
E-mail	PPD_QA@kn.kaneka.co.jp
Phone number	+81-3-5574-8030 : Hours of operation, Monday – Friday, 9:00 a.m. – 5:00 p.m.(JST)
Chemical family/use	Resin for light diffusing agent
Document number	MP-91-a01

2. HAZARD IDENTIFICATION

GHS classification	Not classified
Other hazards	<p>P210 Keep away from heat/sparks/open flames/hot surfaces. –No smoking.</p> <p>P241 IF dust clouds can occur: Use explosion-proof electrical/ventilating/lighting/equipment.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P235+P410 Keep cool. Protect from sunlight.</p>
NFPA RATING	Health: 1, Flammability: 2, Reactivity: 0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances/Mixtures	Substances(Polymer)			
	Identity	Concentration	CAS RN	CA Index name / IUPAC name
Acrylic polymer(s) (Including non-hazardous ingredients)	≥98.5%	Trade secret	Trade secret	Not applicable
Water	≤1.5%			

4.FIRST-AID MEASURES

Inhalation	Move victim to fresh air. Call a physician.
Skin	Flush with flowing water for 15minutes, then wash area with mild soap and water. Call a physician.
Eyes	In case of contact, immediately flush eyes with flowing water for at least 15minutes, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention.
Ingestion	Have victim rinse mouth with water or give several cupful of water, if conscious. Get medical attention.

5.FIRE-FIGHTING MEASURES

Extinguishing media	Water spray ,dry chemicals, foam, or carbon dioxide.
Special fire fighting procedures	Avoid scattering burning material. Wear self-contained breathing apparatus and full protective equipment. Use water spray to keep containers cool.
Unusual fire and explosion Hazards	Irritating fumes may develop when product is heated. Dust can form explosive mixture in the air. Dust generation should be minimized. Every ignition source such as; fire, open flame, static sparks, heated surfaces, etc., even in closed pipelines or equipment, should be strictly prohibited. Extended exposure to high temperatures reduces the auto-ignition temperature.

6.ACCIDENTAL RELEASE MEASURES

Spill response	Carefully vacuum up material with vacuum equipment that is grounded to avoid sparks and place in a suitable container for disposal. Avoid creating a dusty atmosphere. Dampen spill with water to reduce dust. The accumulation of dusts of product can create a serious hazard of dust explosion. Avoid release to open waters. No data is available on aquatic life if product is released to open waters.
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7.HANDLING AND STORAGE

Handling	Ventilate area properly to avoid unnecessary exposure to resulting gases which might be hazardous. Do not cause dust clouds or static sparks. When transferring, avoid creating dust. Ground all equipment to avoid static sparks. Use personal antistatic equipment to avoid static charge. Avoid contact with eyes, skin, and clothing. Use personal protective equipment as required. Wash thoroughly after handling.
Storage	Store in original container in cool, dry area and protect from light. Do not store near high temperature, boilers, heaters, hot pipes, open flames or oxidizing agents. Keep away from food and drinks.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation	Local exhaust is recommended. Maintain low dust concentration. See FIRE-FIGHTING MEASURES section.
Respiratory protection	Use NIOSH approved high efficiency dust respirator when dusty conditions prevail. No TLV-TWA has been established for this dust. The AGCIH recommended that nuisance particulates be limited 10 mg/m ³ , total dust. During molten or heating process, use an organic vapor respirator.
Eye and face protection	Chemical workers goggles. Do not wear contact lenses.
Other clothing and equipment	Rubber gloves. An eyewash and emergency shower should be readily available. Launder contaminated clothing before reuse.

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor	White powder with slight acrylic ester odor
pH	Not available
Boiling point/Freezing point	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Vapor pressure/Vapor density	Not applicable
Specific gravity	1.0-1.2 at 4°C
Solubility in water	Insoluble
Solubility in organic solvent	Swell on/Dissolve in exposure to organic solvents(toluene, benzene etc).
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	460-470°C
Volatiles	≤1.5%(60 minutes at 105°C)
Molecular weight	Not available

10.STABILITY AND REACTIVITY

Stability	Stable
Conditions to avoid	Avoid contact with oxidizers. Avoid exposing dust to ignition sources.
Incompatibility(Materials to avoid)	Oxidizers
Hazardous polymerization	Will not occur
Hazardous decomposition Products	Carbon monoxide, carbon dioxide, and various oxidized and non-oxidized hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	No data is available on this exact polymer. Similar polymers have an LD50 rats > 2,000mg/kg.
Skin corrosion/irritation	May cause irritation.
Eye contact	May cause irritation.
Skin contact	May cause irritation and/or dermatitis.
Germ cell mutagenicity	No data currently available.
Carcinogenicity	No data currently available.
Toxic to reproduction	No data currently available.
Specific target organ toxicity (Single exposure)	No data currently available.
Specific target organ toxicity (Repeated exposure)	No data currently available.
Inhalation	Irritating to the respiratory tract. Treat as nuisance dust. Odorous fumes may result from normal processing.

12. ECOLOGICAL INFORMATION

Toxicity	No data currently available.
Persistence and degradability	No data currently available.
Bioaccumulative potential	No data currently available.

13. DISPOSAL CONSIDERATIONS

Recommended disposal	Dispose of material / container as solid waste in a closed container in accordance with local / regional / national / international regulations.
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14. TRANSPORT INFORMATION

UN number	Nor applicable
Department of transportation(DOT) proper shipping name	Not required
DOT hazard class	Not required
DOT Label	Not required
DOT ID#	Not required

15. REGULATORY INFORMATION

JAPANESE REGULATIONS

Industrial Safety and Health Act
Not regulated

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc
Existing chemical substances
Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the

Environment and Promotion of Improvements to the Management Thereof

	Not regulated
Fire Defense Law	Designated Flammable Materials (Synthetic Resin – Non-Foam, $\geq 3,000\text{kg}$)
Poisonous and Deleterious Substances Control Law	Not regulated

CHINESE REGULATIONS

Not regulated

TAIWANESE REGULATIONS

Labor Safety and Health Law

Not regulated

16. OTHER INFORMATION

INVENTORYS for POLYMERS

ENCS(Japan)	Existed, No: Trade secret
IECSC(China)	Listed
NECSI (Taiwan)	Listed

The information set forth herein has been gathered from standard reference materials and/or KANEKA Corporation test data and to our best knowledge and belief accurate and reliable. Such information is offered solely for a your consideration, investigation and verification, and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones which exist. KANEKA Corporation makes no warranties, express or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process and, therefore, assumes no responsibility. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer.