

Material Safety Data Sheet

(MSDS)

Sample Name : Solid Surface Adhesive, Quartz Stone Adhesive

Model No. : MU6100AD、 A-2022-1

Date Issued : May 22,2015

Manufacturers Name : Dong Guang Kongder Industrial Materials Co.,Ltd

Manufacturers Address : Niushang Economic Industrial Park,East District,
Dongguan,Guangdong,China

FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)

Section 1 - Chemical Product and Company Identification

Product name	:	Solid Surface Adhesive, Quartz Stone Adhesive
Product type	:	MU6100AD、 A-2022-1
Brand Name	:	KONGDER
Trade	:	ZC10242160ZC
Manufacturer	:	Dong Guang Kongder Industrial Materials Co.,Ltd
Address	:	Niushang Economic Industrial Park, East District, Dongguan, Guangdong, China
Tel	:	+86-769-22860861 、 +86-769-27226181
Fax	:	+86-769-22419859
E-mail	:	admin@dgkongder.com

Section 2 - Composition / Ingredient Data

General Chemical Description: This chemical product is a mixture.

Composition, Information on Ingredients:

Ingredient name	Molecular Formula	CAS Number	EC#	Percent (by weight)
Part A. A Glue				
Methyl Methacrylate Monomer	C ₅ H ₈ O ₂	80-62-6	201-297-1	20 - 40%
Acrylic Polymen	C ₁₅ H ₂₄ O ₆ X ₂	9011-14-7	201-297-1	20 - 40%
Aluminum Hydroxide	H ₃ AlO ₃	21645-51-2	244-492-7	30%
Tert-Butyl Methacrylate	C ₈ H ₁₄ O ₂	585-07-9	209-548-7	1%-10%
Silicon Dioxide , Amorphous	SiO ₂	7631-86-9	231-545-4	1%-10%
Pigments	-	13463-67-74-15 51274-00-1 1333-86-4 1309-37-1 1317-61-9 1314-98-3	-	<3%
Part B. B Glue				
SiliconDioxide, Amorphous	SiO ₂	7631-86-9	231-545-4	<10%
Oxydiethylene Dibenzoate	C ₁₈ H ₁₈ O ₅	120-55-8	204-407-6	<94%

Section 3 - Hazards Identification

Acute Symptom:

Eye Contact	Avoid contact with eyes. Direct contact with the liquid and exposed to the vapor may cause irritation.
Skin Contact	May be harmful if absorbed through skin. May cause skin irritation skin allergy reaction.
Inhalation	If the long-term inhalation of high concentrations may stimulate the respiratory system, cause nausea, somnolence, dizziness, vertigo, headache.
Ingestion	May be harmful if swallowed. Slightly toxic, to lead vomiting, should be treated in time.

Chronic Symptom:

Inhalation	Symptoms of long-term inhalation of animal: A slight effect of nasal inflammation and smell. No one is exposed to OSHA-PEL/AGGIH-TLV under the limits of nerve poisoning report.
Ingestion	Symptoms of High dose ingested of animal: Mouth and throat irritation caused by. Stomach discomfort and pain.

Section 4 - First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Remove contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Advice to Physician	Treat symptomatically and supportively.

Section 5 - Firefighting Measures

Suitable extinguishing media	Use water spray, foam, dry chemical or carbon dioxide. In the fog of fire extinguishers should be trained, and avoid too much water, or the water column dispersion combustion material, large area into a sewer or drain.
Extinguishing Method and Extinguisher	Wear self contained breathing apparatus for fire fighting if necessary. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Hazardous substance	Toxic substances created (e.g. Carbon oxides).
Advice for firefighter	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 - Accidental Release Measures

Human Body Protection Methods	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environment Protection Methods	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Clean Up Methods	Contain spillage, Sweep up and shovel and place in closed container for disposal, according to local regulations (see section 13).

Section 7- Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist or gas. Keep away from sources of ignition, High temperature, fire and other combustibles - No smoking. Take measures to prevent the build up of electrostatic charge. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Storage	Store in cool place, below 20 °C . Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8- Exposure Controls/ Personal Protection

Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Respiratory Protection	An appropriate respirator or mask should be used whenever workplace conditions warrant a respirator's use. A full face positive pressure supplied-air respirator or a self contained breathing apparatus should be used when large spill or fire.
Eye Protection	Wear safety glasses when there is a potential for eye contact.
Hand Protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection	It is recommended to wear appropriate clothing to minimize skin exposure. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Other Protection	To maintain good health habits. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash hands thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
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Section 9- Physical and Chemical Properties

Appearance: Milky white and other colors
Odor: A Glue: Acrid; B Glue: Odorless
Water solubility: 1.6wt%
Boiling point: 101°C
Ignition point: A Glue: 10.6°C T.C.C; B Glue: 136°C C.DC
Vapor Pressure: 28mmhg (22°C)
Specific Gravity: A Glue: 1.01±0.02 (22°C) ; B Glue: 1.04±0.02 (22°C)
Volatility %: Approx 50-70%
Vapor Density (air=1) : 3.5

Section 10- Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	Under high temperature, thermal decomposition may occur and generate Carbon oxides.
Conditions to Avoid	Heat, flames and sparks. Extremes of temperature and direct sunlight. Other combustibles.
Incompatible materials	Oxidizing agents, Peroxides, Amines, Bases, acids, Reducing agents, Halogens , Polymerizing initiators. The material can soften the paint and rubber.
Hazardous Decomposition Products	Hazardous decomposition products formed under high temperature. - Carbon oxides or smoke.
Hazardous Polymerization	May cause. To avoid the temperature above 121 °C, fire and other combustibles, Storage temperature not higher than 60°C .

Section 11- Toxicological Information

Toxicological Information:

Ingredient name	CAS#	RTECS#	LC50/ LD50
Methyl Methacrylate Monomer	80-62-6	OZ5075000	LD50: Oral – 7,872 mg/kg (rat) Dermal - > 5,000 mg/kg(rabbit) LC50 : Inhalation 78,000 mg/m ³ - 4 h (rat)
Oxydiethylene Dibenzoate	120-55-8	ID6650000	LD50 : Oral-4,190 mg/kg (rat) Dermal-23,500 mg/kg(rabbit) LC50 : Inhalation > 200 mg/l - 4 h (rat)

Skin irritation/corrosion:

Composition: CAS# 80-62-6

- Rabbit, skin: - > 5,000 mg/kg

Remarks: Prolonged skin contact may cause skin irritation and/or dermatitis.

Potential Health Effects:

Eye	Direct contact may cause eyes irritation.
Skin	Prolonged and/or repeated contact with this product may cause skin irritation.
Inhalation	May cause respiratory tract irritation.
Ingestion	Ingestion of this product is unlikely under normal condition. If ingested may cause irritation of the digestive tract.

Section 12- Ecological Information

Ecological Toxicity	<p>Composition: CAS# 80-62-6 LC50:125,5 - 275,0 mg/l - 96 h (fathead minnow) EC50:720 mg/l (Water flea) EC50:170 mg/l - 96 h (green algae)</p> <p>Composition: CAS# 120-55-8 LC50: 3.9 mg/l - 96 h (fathead minnow) EC50: 6.7 mg/l - 48 h(Water flea) EC50: 10,94 mg/l - 72 h(Selenastrum capricornutum)</p>
Persistence and degradability	<p>Composition: CAS# 120-55-8 Aerobic - Exposure time 29 d Result: 93 % - Readily biodegradable.</p>
Bioaccumulative Potential	No data available.
Mobility in Soil	No data available.
PBT assessment	No data available.
Other adverse effects	Composition: CAS# 120-55-8, Toxic to aquatic life.
Other Information	Proper usage will not cause harm to the user. Do not allow material to be released to the environment without proper treatment.

Section 13- Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Consult state, local or national regulations for proper disposal. The generation of waste should be avoided or minimized wherever possible. Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Refer to Section 7-Handling and Storage and Section 8-Exposure Controls/Personal Protection for additional handling information and protection of employees.

Section 14- Transport Information

Shipping notice / The container more than 1 L	Special Risk Indicator			
Transportation item: Adhesive				
Hazard Class: 3	HMIS		HFPA	Hazard Rate
Packaging Group: II	Healthy	“A”-2 “B”-1	“A”-2 “B”-1	0- Least
Packaging Requirements: General packaging	Flammability	“A”-3 “B”-1	“A”-3 “B”-1	1- Slight
Identification Mark: UN1133	Reactivity	“A”-1 “B”-1	“A”-1 “B”-1	2- Medium
Label: Flammable liquid	Protective			3- Severe
Shipping notice / Less than 1 L suitcase	Equipment	B-H		4- Serious
Transportation item : Consumable	B: Eyes, hands, skin (Normal adhesive, a small amount of spill, immediately wash)			
Hazard Class: ORM-D	H: Eyes, hands, skin (Respiratory protection and impermeable apron, to prevent danger splash, leaching)			

The substance is not subject to IMDG Code.

Criteria:(1)IMDG Code;(2)Recommendations on the Transport of Dangerous Goods.

Section 15- Regulatory Information

According to the regulations of the central and local governments. According to Industrial Safety and Health Act.

If applicable, According to the Hazardous Chemical Materials Safety Management Regulations.

Section 16- Other Information

Notice to reader

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. The above-named supplier and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See the reverse side of invoice or packing slip for additional terms and conditions of sale.

*** End of report ***