

MSDS Report

According to UN GHS (the 5th revised edition)

Issue Date: Jan. 08, 2017

Service requested: Material Safety Data Sheet for the Product

Edition: 2.0

Product name: solid surface adhesive (quartz stone adhesive)

Job receiving date: Jan 02, 2017

Preparation period: Jan 02, 2017-Jan. 08, 2017

Composition/Ingredient: Refer to MSDS content.

Material Safety Data Sheet

Product name: solid surface adhesive (quartz stone adhesive) MSDS No.: E69.140.920.001

Revision Date: Jan. 08,2017

Section 1 - Product

Product name: solid surface adhesive (quartz stone adhesive)

Model No. MU6100AD, A-2022-1

Trade:ZC10242160ZC

Section2 -Hazard Description

21 GHS Classification: Skin Corrosion/Imitation (Category 2) ,

Skin Sensitization(Category 1);

Eye Damage/Eye irritation (Category 2A);

Specific Target Organ Toxicity-Single Exposure: Criteria for respiratory tract imitation (Category 3).

22 Label elements:



Signal word: Warning

Dangerous state:

H315 May cause skin irritation.

H317 May cause an allergic skin reaction.

H319 May cause serious eye irritation.

H335 May cause respiratory

irritation, Warning statement

Preventive measures:

P261 Avoid breathing gas/vapors.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area

Material Safety Data Sheet

Product name: solid surface adhesive (quartz stone adhesive) MSDS No. : E69.140.920.001

Revision Date: Jan. 08, 2017

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Accident response:

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash before reuse.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove Contact lenses, if present and easy to do. Continue rinsing.

Safety storage:

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Waste disposal:

P501 Dispose of contents/container to the approval of the waste treatment plant

23 Other hazards: None.

Section 3 - Composition / Ingredient Data

Material	VMixture			
Component name	CASNo.	EC No.	wt%	
Part A, A Glue				
Methyl Methacrylate Monomer	80-62-6	201-297-1	10 - 20%	
Acrylic Polymer	9011-14-7	201-297-1	30 - 60%	
Aluminum Hydroxide	21645-51-2	244-492-7	30%	
Tert-Butyl Methacrylate	585-07-9	209-548-7	1%-10%	
Silicon Dioxide	7631-86-9	231-545-4	1%-10%	
Pigments	51274-00-1	257-098-5	>3%	
	1333-86-4	215-609-9		
	1309-37-1	215-168-2		
	1317-61-9	215-277-5		
	1314-98-3	215-251-3		

Material Safety Data Sheet

Product name: solid surface adhesive (quartz stone adhesive) MSDS No. : E69.140.920.001

Revision Date: Jan. 08, 2017

Part B. B Glue			
Silicon Dioxide	7631-86-9	231-545-4	>11%
Oxydiethylene Dibenzoate	120-55-8	204-407-6	>94%

Section 4 - First Aid Measures

- 4.1. General advice: Show this safety data sheet to the doctor in attendance.
- 4.2. Skin contact: Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if felt uncomfortable.
- 4.3. Eyes contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.
- 4.4. Inhalation: Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
- 4.6. Advice for protecting the rescuer: Remove all sources of ignition and increase ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use personal protective equipment including respirator.
- 4.7. Immediate *i*special treatment: Continue with first aid measures. Treat symptomatically and supportively. Symptoms may be delayed.

Section 5 — Firefighting Measures

- 5.2. Extinguishing method and media: dry chemical, carbon dioxide, foam or dry sand. Do not use a solid water stream as it may scatter or spread fire.
- 5.3. Special hazards arising from the substance or mixture: In combustion emits toxic fumes.
- 5.4. Fire precautions and measures: As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. Fight fire from a safe distance, with adequate cover. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6 - Accidental Release Measures

- 6.1. Personal precautions, protective equipment and emergency procedures: Avoid breathing vapors and contacting with skin and eye. Emergency personnel wear positive pressure self-contained breathing apparatus. Wear protective and anti-static clothing. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid breathing vapors, mist, gas or dust.
- 6.2. Environmental precautions: Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided.

Material Safety Data Sheet

Product name: solid surface adhesive (quartz stone adhesive) MSDS No. : E69.140.920.001

Revision Date: Jan. 08, 2017

63. Collecting, clearing method and disposal material: Wipe out after curing, transferred to a seal, recycling container labels.

Disposal: Contaminated material must be disposed of in accordance with all State and/or Local regulations.

Section 7 - Handling and Storage

- 7.1. Handling precautions: Airtight operation, overall ventilation. Operators must receive special training, strictly abide by the operation procedures. Away from fire and heat source. No Smoking in the workplace. Avoid direct contact with eyes, skin and ingestion. Keep away from fire, high heat. No-smoking in the workplace. Provide appropriate exhaust ventilation at places where gas or dust is formed. Normal Measures for preventive fire protection. Make sure the surface of the adhesive is clean and dry.
- 7.2. Advice on protection against fire and explosion: Non inflammable and explosive goods
- 7.3. Precautions for storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Equipped with corresponding varieties and number of fire equipment and spill contingency processing equipment. Avoid contact with children, avoid eating. Observe label precautions. Electrical installations I working materials must comply with the technological safety standards.
- 7.4. Packaging materials: Recommended-Use original container.

Section 8 - Exposure Controls/ Personal Protection

- 8.1. Exposure limit: Component: CAS No.: 80-62-6: ACGIH TLV-TWA 410 mg/m³ (100 ppm),
OSHA PEL (Construe): 8H TWA 100 ppm (410 mg/m³);
CAS No.: 21645-51-2: ACGIH TLV-TWA 2 mg(Al)/m³.
- 8.2. Engineering control: Ensure adequate ventilation, especially in confined areas.
- 8.3. 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.
- 8.4. Eye protection: Wear safety glasses when there is a potential for eye contact.
- 8.5. Skin and body protection: Wear an apron or gloves.
- 8.6. Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be were at all times when handling chemical products if a risk assessment indicates this is necessary.
- 8.7. Other protection: Observe the common precautionary measures. Avoid contact with eyes. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of work.

Material Safety Data Sheet

Product name: solid surface adhesive (quartz stone adhesive) MSDS No. : E69.140.920.001

Revision Date: Jan. 08, 2017

Section 9 - Physical and Chemical Properties

Appearance and shape: Liquidity paste, Milky white and other colors

Odor: A Glue: Light ester flavor; B Glue: Odorless

pH value: No data

Melting \dot{I} Freezing point: -48 °C

Boiling point: 101 °C

Flash point: No data

Explosion limit: Non explosive

Steam pressure: 28mmhg (22 °C)

Vapor density (air= 1) : 3.5

Proportion (22°C) : A Glue: 1.01 ±0.02;

Water soluble: 1.6w,t%

B Glue: 1.04 ± 0.02 (22°C)

Partition coefficient: octanol/Water: No data

Flammability (solid, gas) : Not applicable

Decomposition temperature: No data

Ignition point: A Glue: 106°C T.C.C; B Glue: 136°C C.DC

Section 10 - Stability and Reactivity

10.1. Stability: Stable under recommended storage conditions

10.2. Reactivity: Under high temperature, thermal decomposition may occur and failure.

10.3. Incompatible materials: Oxidizing agents, Peroxides, acids.

10.4. Conditions to avoid: High temperature, flames and sparks. Direct sunlight. Other combustibles.

10.5. Hazardous polymerization: Will not occur.

10.6. Hazardous decomposition products: No information.

Section 11 - Toxicological Information

11.1. Acute toxicity: Component: CAS No.: 80-62-6: Oral-ratLD50:7872mg/kg.

Oral-mouse LD50: 3625mg/kg, Inhalation-rat LC50: 78000mg/m³/4H.

CAS No.: 585-07-9: Oral-mouse LD50: 8549mg/kg;

CAS No.: 120-55-8: Oral-ratLD50: 2830mg/kg.

11.2. Skin corrosion/irritation: CAS No.: 80-62-6, 585-07-9: Skin Corrosion/Irritation (Category 2).

11.3. Eye corrosion/irritation: CAS No : 585-07-9: Eye Damage /Eye Irritation (Category 2A).

11.4. Respiratory or skin sensitization: CAS No.: 80-62-6: Skin Sensitization (Category 1).

11.5. Germ cell mutagenicity: According to the existing data, the product is not classified.

11.6. Carcinogenicity: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NIP, OSHA or ACGIH.

Material Safety Data Sheet

Product name: solid surface adhesive (quartz stone adhesive) MSDS No. : E69.140.920.001

Revision Date: Jan. 08, 2017

- 11.7. Reproductive toxicity: According to the existing data, the product is not classified.
- 11.8. Specific target organ toxicity -single exposure: CAS No : 80-62-6 · 585-07-9: Criteria for respiratory tract irritation (Category 3).
- 11.9. Specific target organ toxicity - repeated exposure: According to the existing data, the product is not classified.
- 11.10. Aspiration hazard: According to the existing data, the product is not classified.

Section 12 - Ecological Information

- 12.1. Eco toxicity values: 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);
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).
- 12.2. Persistence and degradability: No data.
- 12.3. Bioaccumulative potential: No data.
- 12.4. Mobility in soil: No further information.
- 12.5. Other adverse effects: 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

- 13.1. 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

- 14.1. According to Certification for Transport of Goods (No.: ST20160288-2). The substance is not subject to IMDG Code.
- 14.2. According to Certification for Transport of Goods (No.: ST20160288-1). The substance is not subject to IATA DGR.
- 14.2. According to Certification for Transport of Goods (No.: ST20160288-3). The substance is not subject to LDGRT (2009)

Material Safety Data Sheet

Product name: solid surface adhesive (quartz stone adhesive) MSDS No. : E69.140.920.001

Revision Date: Jan. 08, 2017

Section 15 - Regulatory Information

15.1. International regulations List Schedule I Chemicals: Not listed List
Chemical Weapons Convention Schedule II Chemicals: Not listed List
Chemical Weapons Convention Schedule III Chemicals: Not listed
Chemical Weapons Convention

Section 16 - Other Information

16.1. Legal disclaimer: The above information is believed to be correct but we cannot guarantee the absolute universality and accuracy 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.