

Material Safety Data Sheet (MSDS)

Durabell Solid Surface

Date of issue: 2013-01-01

Revision data: 2017-08-01

Version:

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name

-Acrylic Modified Solid Surface

1.2 Product Name

-Application: Kitchen top, counter top, interior wall, etc.

-Uses advised against: Do not use with strong acid or base chemicals

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

-Not Classified

-The hazards of this product are associated with its fabrication. Such as routing and sanding can generate dust.

-Exposure to high concentration of dust or inhalation may cause respiratory irritation and sneeze.

2.2 Label elements

-Pictogram- none

-Signal word- none

-Hazard statement- none

-Precautionary statement

Prevention: Not Applicable, Response: Not Applicable, Storage: Not Applicable, Disposal: Not Applicable

-NFPA rating

Heath: Not applicable, Flammability: Not applicable, Reactivity: Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical	Usual Name	CAS NO.	Concentration range(%)
Unsaturated Polyester Resin	UPR	N/A	>30%
Methyl methacrylate + Poly methyl methacrylate	MMA + PMMA	N/A	
Aluminum Trihydrate	ATH	21645-51-2	<70%
Pigment	Pigment	N/A	<1%
Additives	Additives	N/A	<1%

4. FIRST AID MEASURES

4.1 Eye Contact

-Rinse thoroughly with plenty of water for over 15 minute and call a doctor immediately.

4.2 Skin Contact

-No hazard. Wash with soap and water.

4.3 Inhalation

-If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Follow instruction of doctor.

4.4 Ingestion

-If vomiting, rinse mouth and follow instruction of doctor.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

-Suitable extinguishing media : Dry chemical, carbon oxide, water spray and foam

-Unsuitable extinguishing media : Not available

5.2 Special hazards arising from the substance or mixture

-Hazardous Product of Combustion : Carbon Oxides (CO, CO₂), Various Hydrocarbons.

-Risk of Explosion or Fire : K&L solid surface has fire resistance but it has small risk of fire when it exposure to heat or fire.

5.3 Advice for fire-fighters

-Protective fire fighting clothing (including fire fighting helmet, coat, pants, boots and glove), Air supplied respirator.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

-Proper personal protective equipment should be utilized when handling this material.

6.2 Environmental precautions

-AIR: Avoid generation of dust and fine dust dispersed in the air

6.3 Methods and material for containment and cleaning up

-Small amount: Brush into dry container or bag.

-Large amount: Avoid generating dust in the air. Cleaning dust using vacuum cleaner and keep it into dry container.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

-When fabricating such as cutting and sanding, wear a proper protective gears.

7.2 Conditions for safe storage, including any incompatibilities

-Store in 15-23°C temp and dry condition inside or warehouse on flat ground.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

- Occupational Exposure Limits: Not available
- TWA: Not available
- STEL: Not available
- 0.3mg/m³ OSHA TWA (Inhalable particles): Not available
- 0.1mg/m³ OSHA TWA (Respirable particles): Not available
- ACGIH: Not available
- Biological exposure limit: Not available
- **ACGIH = American Conference of Government Industrial Hygienists*

8.2 Appropriate engineering controls

- Not available

8.3 Individual protection measures, such as personal protective equipment

- ◆ Respiratory protection
 - Dust mask when exposure on high concentration of dust*
- ◆ Eye Protection
 - Wear safety glasses*
- ◆ Hand Protection
 - Wear protective gloves*
- ◆ Shin protection
 - Protective clothing*

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

- Physical state: Solid (Sheet form)
- Color: Varies

9.2 Odor: Odorless

9.3 Odor Threshold: Not applicable

9.4 PH: Not applicable

9.5 Boiling / Freezing point: Not applicable

9.6 Boiling point / boiling range: Not applicable

9.7 Flash point: No data

9.8 Evaporation rate: Not applicable

9.9 Flammability (solid, gas): Not applicable

9.10 Upper/lower flammability or explosive limits: Not applicable

9.11 Vapour pressure: Not applicable

9.12 Water solubility: Not soluble in water

9.13 Vapour density: Not applicable

9.14 Relative density: Not applicable

9.15 Partition coefficient: Not applicable

9.16 Autoignition: Not applicable

9.17 Decomposition: Not applicable

9.18 Viscosity: Not applicable

9.19 Explosive properties: Not applicable

10 STABILITY AND REACTIVITY

10.1 Stability and Possibility of Hazardous Reaction

-Stability: Stable under room temperature and normal pressure

-Possibility of Hazardous Reaction: Hazardous polymerization will not occur.

Dust may be flashed under ignition temp

10.2 Conditions to avoid

-Avoid extreme heat

10.3 Materials to avoid

-Acids, base, solvent, heat, spark, flame

10.4 Hazardous decomposition products

-Carbon oxides, smog.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

◆ Respiratory system

-High concentration may cause difficulty with breathing.

◆ Ingestion

-Organic reaction with digestive organs may cause irritation.

◆ Eye, Skin

-Particles may cause irritation.

11.2 Toxicity and irritation

◆ Acute toxicity

Oral

-Acute exposure: Organic reaction with digestive organs may cause irritation.

-Chronic overexposure: Not available

Dermal

-Acute exposure: Particles may cause irritation.

-Chronic overexposure: Not available

Inhalation

-Acute exposure: High concentration may cause difficulty with physical breathing.

-Chronic overexposure: Not available

◆ Skin corrosion/irritation

-Not available

◆ Eye corrosion/irritation

-Not available

◆ Respiratory sensitization

-Not available

◆ Skin sensitization

-Not available

◆ Carcinogenic

-Not available

◆ Germ cell mutations

-Not available

◆ Reproductive toxicity

-Not available

◆ Specific target organ toxicity (single exposure)

-Not available

◆ Specific target organ toxicity (repeated exposure)

-Not available

◆ Aspiration hazard

-Not available

11.3 Toxicological effects

Product based information:

No toxicological information is available for the finished product. This product is generally believed to be inert based on available data.

Ingredient based information:

Note: This information are pertaining to a compromised/disrupted product due to operations and processing such as sanding, sawing, grinding, burning etc.

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity

◆ Fish

-No data

◆ Invertebrate

-No data

◆ Algae

-No data

12.2 Persistence/ degradability

-Persistence: No data

-Degradability: No data

12.3 Bioaccumulative potential

-Biodegradability: No data

-Bioaccumulation: No data

12.4 Mobility in soil

-Not available

12.5 Other adverse effects

-Not available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

-All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations

13.2 Require attention

-The user of this product must properly characterize the waste/ container generated from the use of this product in accordance with all applicable federal, state and/or local laws and regulations in order to determine the proper disposal of the waste in accordance with all applicable federal, state and/or local laws and regulations.

-Dispose of waste in accordance with local regulation

14 TRANSPORTATION INFORMATION

14.1 UN number

-Not applicable

14.2 UN proper shipping name

-Not applicable

14.3 Transport hazard class(es)

-Not applicable

14.4 Packing group

-Not applicable

14.5 Environmental hazards

-Not available

14.6 Special precautions for user related to transport or transportation measures.

-Not available

15 REGULATORY INFORMATION

15.1 Occupation safety and health acts

-Not available

15.2 Chemical safety assessment

-Not available

15.3 Safety control of dangerous substances act

-Not available

15.4 Wastes control act

-Not available

15.5 Foreign legal

◆ Persistent organic pollutants control act

--Not available

◆ EU

-Confirm classified result: Not classified

-Hazard words: Not applied

-Prevention measure: Not applied

◆ U.S. regulations

-OSHA Hazard Communication Standard(29 CFR 1910.119): Not applicable

-CERCLA 103(40CFR302.4): Not applicable

-EPCRA 302(40CFR355.30): Not applicable

-EPCRA 304(40CFR355.40): Not applicable

-EPCRA 313(40CFR372.65): Not applicable

◆ Rotterdam convention material

-Not applicable

◆ Stockholm convention material

-Not applicable

◆ Montreal Protocol Material

-Not applicable

16 OTHER INFORMATION

16.1 Issue date

2013-01-01

16.2 Revision date

2017-08-01