

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Durasein 100% Acrylic Solid Surface

Product No:

Print date:

Version: 3.0 / EN

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Revision date: 18.05.2016

[HAD(1)]

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier: Durasein® 100% Acrylic Solid Surface

##### Substances

Substance name: Acrylic Resin (PMMA + MMA) 38%

CAS No.: 9011-14-7; 80-62-6

Index No:

EC No:

REACH Registration No:

Substance name: Aluminum Hydroxide 58%

CAS No.: 21645-51-2

Index No:

EC No:

REACH Registration No:

Substance name: Titanium Dioxide 4%

CAS No.: 13463-67-7

Index No:

EC No:

REACH Registration No:

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Relevant identified uses

*Durasein 100% Acrylic Solid Surface is a non-reactive and chemically stable solid sheet material used for decorative surfacing in both vertical and horizontal applications. This product is classified as a Class A product under ASTM E84.*

#### 1.3 Details of the supplier of the safety data sheet:

Name:

Guangdong Xinmeiji Industrial Co., Ltd.

Address:  
Park

Nanhua Road 2, Gaolan Port Fine Chemical Industrial

Zhuhai, Guangdong, China 519050

Information contact:

Cara Zhang

E-Mail (competent person)

cara@durasein.com

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**Importer Representative:**

**Name**

Relang International, LLC

**Address**

10440 Little Patuxent Parkway, Suite 343  
Columbia, MD 21044

**Information contact**

Keith Haight

**E-Mail (competent person)**

keith.haight@duraseinusa.com

1.4 **EMERGENCY TELEPHONE NUMBER:**  
+1 866 509 6494

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### SECTION 2: Hazards identification

2.1. **Classification of the substance or mixture:** *Non-reactive and chemically stable*

2.2. **Label elements** *N/A*

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS] *N/A*

**Product identifier:**

**Substances:)**

Index No

Authorization No

**Mixtures:**

*MethaSol*

**Hazard**<sup>[HAD18]</sup> components for labeling:

*Substance 1*

Authorization<sup>[HAD(19)]</sup> No

**Hazard pictograms**



GHS02



GHS06



GHS08



GHS09

**Signal word:**

Danger

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### 2.3 Hazard statements: *N/A*

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure
H360D	May damage the unborn child.
H410	Very toxic to aquatic life with long lasting effects.

### 2.4 Precautionary statements:

P280 *Wear protective gloves/protective clothing/eye protection/face protection when performing fabrication processes such as sanding, cutting, and gluing*

**Supplemental Hazard information (EU): *N/A***

**Special rules for supplemental label elements for certain mixtures:**

**Additional labeling: *N/A***

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## SECTION 3. Composition/information on ingredients

### 3.1 Substances

**Substance name: Acrylic Resin (PMMA + MMA) 38%**

**CAS No.: 9011-14-7; 80-62-6**

**Index No:**

**EC No:**

**REACH Registration No:**

**Substance name: Aluminum Hydroxide 58%**

**CAS No.: 21645-51-2**

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information:

*Durasein 100% Acrylic Solid Surface is a non-reactive and chemically stable solid sheet material used for decorative surfacing in both vertical and horizontal applications. This product is classified as a Class A product under ASTM E84.*

##### Following inhalation:

*Durasein 100% Acrylic Solid Surface is sold as a solid sheet material therefore does not present an inhalation hazard. However, fabrication practices such as cutting and sanding may present a dust which may be an irritant to eyes, nose, and throat. For persistent irritation, seek medical attention.*

##### Following skin contact:

*Durasein 100% Acrylic Solid Surface is sold as a solid sheet material therefore does not present a skin contact hazard. However, fabrication practices such as cutting and sanding may present a dust which may be an irritant to skin. Cut or routed edges may be sharp enough to lacerate skin. For minor irritation, wash with soap and water. For persistent irritation, seek medical attention.*

##### Following eye contact:

*Durasein 100% Acrylic Solid Surface is sold as a solid sheet material therefore does not present an eye contact hazard. However, fabrication practices such as cutting and sanding may present a dust which may be an irritant to eyes. For minor irritation, flush eyes for minimum 15 minutes with water. For persistent irritation, seek medical attention.*

##### Following ingestion:

*Durasein 100% Acrylic Solid Surface is sold as a solid sheet material therefore does not present an injection hazard.*

Self-protection of the first aider: N/A

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media:

##### Suitable extinguishing media:

*Durasein 100% Acrylic Solid Surface is a non-reactive and chemically stable solid sheet material used for decorative surfacing in both vertical and horizontal applications. This product is classified as a Class A product under ASTM E84.*

*Use fire fighting equipment and procedures appropriate for any surrounding environment.*

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### 5.2 Special hazards arising from the substance or mixture *N/A*

Hazardous combustion products: *Carbon monoxide, carbon dioxide, and MMA vapor.*

### 5.3 Advice for fire-fighters

*Use fire fighting equipment and procedures appropriate for any surrounding environment.*

#### Additional information:

*Look at tests (i.e., flash point, E84 result, etc.)*

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

*Durasein 100% Acrylic Solid Surface is a non-reactive and chemically stable solid sheet material used for decorative surfacing in both vertical and horizontal applications. This product is classified as a Class A product under ASTM E84.*

#### For emergency responders

*Use fire fighting PPE and procedures appropriate for any surrounding environment.*

### 6.2 Environmental precautions: *N/A*

### 6.3 Methods and material for containment and cleaning up *N/A*

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling *Use standard safe material handling practices including proper PPE and lifting practices.*

Fire preventions: *Durasein Solid Surface is classified as Class A under ASTM E84.*

Aerosol and dust generation preventions: *Use appropriate dust collection systems to collect dust at the source. Optimize housekeeping practices to prevent the build up of dust. Avoid the use of compressed air as a method of cleaning surfaces.*

Environmental precautions: *N/A*

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### 7.2 Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions:** *Use appropriate material handling equipment and procedures and store in a dry, well ventilated area. Be sure that any storage racks are design to adequately support the weight of the materials. Forklifts and other handling devices should also be rated to safely handle material throughout all operations.*

**Packaging materials:** *N/A*

### 7.3 Specific end uses: *N/A*

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## SECTION 8: Exposure controls/personal protection

### 8.1.1 Occupational exposure limits:

**Substance Name:**

Methyl Methacrylate (Acrylic Resin)  
(CAS 80-62-6):

Dust from Fabrication

**Exposure Limits :**

OSHA PEL: TWA 100 ppm  
ACGIH TLV: TWA 50 ppm  
STEL 100 ppm

OSHA PEL: TWA 5 mg/m<sup>3</sup> (respirable)  
TWA 15 mg/m<sup>3</sup> (total)

### 8.1.2 Biological limit values: *N/A*

### 8.1.3 Exposure limits at intended use: *None*

## 8.2 Exposure<sub>[H450]</sub> controls

**8.2.1 Appropriate engineering controls:** *Appropriate dust collection and ventilation systems to collect dust and vapors at the source.*

### 8.2.2 Personal protective equipment:

**Eye / Face protection:**

Suitable eye protection: **Safety glasses**

**Skin protection:**

Hand protection: **Wear gloves when handling and transporting sheet**

Body protection: **N/A**

Other skin protection measures: **N/A**

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**Respiratory protection: Dust mask may be desirable if dust from production becomes too irritating. A respirator program is not necessary however if this is a desired control method, refer to OSHA Code of Regulations 29 CFR 1910.134**

**Thermal Hazards: *None***

**8.2.3 Environmental exposure controls: *N/A***

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### SECTION 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance Durasein Solid Surface is a solid sheet material consisting of various colors, aesthetic patterns and dimensions.

	Value	Concentration	Method	Temperature	Pressure	Remark
pH <sub>[HAD59]</sub>	N/A					
Melting point/freezing point	N/A					
Initial boiling point/boiling range	N/A					
Flash point	N/A					
Evaporation rate	N/A					
Flammability (solid, gas)	N/A					
Upper/lower flammability or explosive limits	N/A					
Upper explosive limits	N/A					
Lower explosive limits	N/A					
Vapour pressure <sub>[HAD60]</sub>	N/A					
Vapour density <sub>[HAD61]</sub>	N/A					
Relative <sub>[HAD62]</sub> density	1.72 9 g/c m <sup>3</sup>					
Solubility(ies)	Inso luab le					
9.2 Other information: Partition coefficient <sub>[HAD63]</sub> : n-octanol/water	N/A					
Auto-ignition temperature	N/A					
Decomposition temperature	N/A					
Viscosity	N/A					
Viscosity <sub>[HAD64]</sub> , dynamic						
Viscosity <sub>[HAD65]</sub> , cinematic						
Explosive properties	N/A					
Oxidising properties	N/A					

Physical hazards: None



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### SECTION 10: Stability and reactivity

- 10.1 **Reactivity** *Durasein 100% Acrylic Solid Surface is a non-reactive and chemically stable solid sheet material.*
- 10.2 **Chemical stability** *Durasein 100% Acrylic Solid Surface is a non-reactive and chemically stable solid sheet material.*
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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

*Durasein 100% Acrylic Solid Surface is a non-reactive and chemically stable solid sheet material that is non-toxic.*

##### 11.1.1 Substances

**Acute toxicity:** *None*

**Skin corrosion/irritation:** *None*

**Eye damage/irritation:** *Safety glasses should be worn during fabrication and installation processes.*

**Sensitisation to the respiratory tract/skin:** *Standard fabrication and installation processes may generate dust which may be irritating.*

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### SECTION 12: Ecological information

#### 12.1 Toxicity:

*Durasein 100% Acrylic Solid Surface is a non-reactive and chemically stable solid sheet material that is non-toxic.*

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

**Product / Packaging disposal:** *Durasein 100% Acrylic Solid Surface is not listed as a hazardous material or waste. Disposal can occur in accordance with local, state, and federal regulations.*

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### SECTION 14: Transport information

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN <sup>[HA78]</sup> No.	N/A	N/A	N/A	N/A
14.2 UN Proper <sup>[HA79]</sup> shipping name	N/A	N/A	N/A	N/A
14.3 Transport <sup>[HA80]</sup> hazard class(es)	N/A	N/A	N/A	N/A
Hazard label(s)				
14.4 Packing <sup>[HA81]</sup> group	N/A	N/A	N/A	N/A
14.5 Environmental hazards	N/A	N/A	N/A	N/A

14.6 Special precautions for user N/A

### SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
***Durasein 100% Acrylic Solid Surface is not listed as a hazardous material therefore does not require special regulations.***

15.1.2 National regulations *None*

15.2 Chemical Safety Assessment:

***For this material a chemical safety assessment is not required.***

### SECTION 16: Other information

16.1 Indication of changes

16.7 Further information:

***This SDS has been prepared by the Relang International Technical Service Division.***

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***The information provided in this document is accurate and complete to the best of our knowledge. This document should serve as a guide for safe handling of Durasein 100% Solid Surface. For further information, contact Relang International at [www.duraseinusa.com](http://www.duraseinusa.com)***