

## Material Safety Data Sheet (MSDS)

### 1 Chemical Product and Company Identification

<b>Trade Name</b>	Tristone (Solid Surface)		
<b>Hazardous Ingredients</b>	N/A		
<b>Application</b>	Acrylic solid surface for construction material.		
<b>Company</b>	Name	Lion Chemtech Co. Ltd.	
	Address	41-5 Moonpyung-dong, Daeduk-gu, Daejeon, Korea	
	Tel	82-42-930-3300	
<b>Department</b>	Not applicable	Date of issue	June 15, 2002
<b>Date Of Revise</b>	Once so far / 2006.10.15		

### 2 Composition and Information on Ingredients

Composition	Other Name	CAS No.	H.S. No.	Component (%)
Polymethyl methacrylate	-	9011-14-7	-	38%~42%
Aluminium tri-hydroxide	-	21645-51-2	-	57%~63%
Impact strength	-	-	-	57%~63%

### 3 Hazards Identification

Emergency Overview	
Eyes	Dust or small particle may irritate the eyes.
Skins	Any sharp edge may cut the skin and dust generated by fabrication may cause skin sensitization.
Respiratory tract	Dust generated during fabrication may cause irritation to respiration tract.
Ingestion	Not applicable.
Chronic	Not applicable.
Symptoms	Not applicable.

## 4 First Aid Procedures

<b>Eye Contact</b>	Flush eyes immediately with large amounts of water for a minimum of 15 minutes. Medical treatment should be done by qualified doctor.
<b>Skin Contact</b>	This would be a problem, and may cause skin sensitization. Simply wash the contaminated skin with running water. Medical treatment can be consulted, if necessary.
<b>Inhalation</b>	Remove to fresh air, if necessary, the victim should be taken to well ventilated area. Medical treatment should be followed by a case.
<b>Ingestion</b>	N/A
<b>Notes For Physician</b>	No additional information.

## 5 Flammability and Explosion Control

<b>Flashing Point</b>	N/A	Auto-ignition temperature	N/A	Max. & Min. Flammable-temperature limit	N/A
<b>Flammable Condition</b>	Non-flammable from shocks, heat.				
<b>Fire fighting Material</b>	CO <sub>2</sub> , H <sub>2</sub> O				
<b>Instruction In Case Of Fire</b>	Use dry chemicals, CO <sub>2</sub> .				
<b>Hazardous Ingredients From Fire</b>	Hazardous carbon oxidized gas can occur.				

## 6 Handling and Storage

<b>Precaution</b>	Do not breathe in dust. If fabricators generate dust, make sure to proceed the job in well ventilated areas only. Keep the product in flat and safe areas. Dust should be carefully managed.
<b>Waste Disposal Handling</b>	Use appropriate tools to put solid surfaces in the right containers and treat the dust by related law.

## 7 Storage & Fabrication

<b>How To Keep</b>	Keep this material away from fire.
<b>Storage &amp; Fabrication</b>	Keep this material inside the building, in well ventilated areas.

## 8 Exposure Controls

<b>Inhalation</b>	Use ventilation to keep the good air in fabrication place.
<b>Eyes</b>	Wear safety glasses.
<b>Body</b>	Wear safety gloves.
<b>Sanitary Caution</b>	Use ventilation to keep the place in good condition.
<b>Exposure Limit</b>	N/A

## 9 Physical & Chemical Properties

Appearance	Solid Sheet		
Polymethyl methacrylate	N/A	Solubility	Insoluble
Aluminium tri-hydroxide	N/A	Melting point	N/A
Impact strength	N/A	Oxidization	None
Aluminium tri-hydroxide	N/A	Gravity	1.6~1.8
Impact strength	N/A	Vapor density	N/A

## 10 Stability and Reactivity

<b>Stability</b>	Stable high temperature and pressure.
<b>Instable Conditions</b>	Extreme heat, spark and fire.
<b>Avoided Material</b>	Strong acid, oxidizing-accelerator.
<b>Hazards When Reacted</b>	Carbon oxidization can occur when burned.
<b>Hazardous Polymerization</b>	N/A

## 11 Toxicological Information

<b>Toxicity To Animal</b>	This product has not been tested for animal effects.
<b>Toxicity To Human</b>	This product is not toxic to blood, kidneys, lungs, nervous system.

## 12 Ecological Information

<b>Ecological Effect</b>	Not available.
<b>Ecotoxicity</b>	Not available.
<b>BODS &amp; COD</b>	Not available.
<b>Special Remarks</b>	No additional remark.

## 13 Disposal Considerations

<b>Waste Disposal</b>	Use appropriate tools to put the dust and solid in a decent waste disposal container.
<b>How To Treat</b>	No special remark, but by reasonable way of taking care of waste.
<b>Special Remarks</b>	Bury or burn the waste by national law and local law.