

# SAFETY DATA SHEET

According to Regulation (EU) No. 1907/2006 (REACH), Annex II (COMMISSION REGULATION (EU) No 453/2010)

Version 1  
Product Name DIY Windshield Repair Kit

Issue Date 11-Feb-2015  
Revision date 11-Feb-2015

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

### 1.1. Product identifier

Product Name DIY Windshield Repair Kit  
REACH registration number No information available

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

Recommended Use Repair the broken windshield  
Uses advised against No information available

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

Supplier Huzhou Longtong Chemical co.,Ltd  
Address No.969 qingfang road, Huzhou zhejiang China.  
Postal Code 313000  
Phone +86-572-2109399  
FAX +86-572-2352225  
E-mail sales@chemtg.com

### 1.4. Emergency telephone number

+86-572-2109399

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation Category 2 - (H315)  
Serious eye damage/eye irritation Category 2 - (H319)  
Skin Sensitization Category 1 - (H317)

#### Classification according to Directive 67/548/EEC or 1999/45/EC

R43  
Xi;R36/38

### 2.2. Label elements

Symbols/Pictograms



signal word

Warning

Hazard Statements

H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation

Precautionary Statements

P261 - Do not get in eyes, on skin, or on clothing.  
P264 - Wash hands thoroughly after handling  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.  
P501 –Dispose of contents/container to an approved waste disposal plant.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.1. Mixture

Chemical Name	EC No	CAS No	weight-%	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydroxyalkyl methacrylate	248-666-3	27813-02-1	30-60	Xi; R36 R43	Eye Irrit. 2 (H319) Skin Sens. 1 (H317)
Propoxylated diacrylate	-	Proprietary	30-40	-	-
Acrylic acid	201-177-9	79-10-7	<5	R10 Xn; R20/21/22 C; R35 N; R50	Flam. Liquid 3 (H266) Acute Tox. 4 (H302)-oral Acute Tox. 4 (H312)-dermal Acute Tox. 4 (H332)-inhalation Skin Corr. 1A (H314) STOT Single Exp. 3 (H335) Aquatic Acute 1 (H400)
Substituted silane	-	Proprietary	1-5	-	-
2-Hydroxy-2-methylpropio phenone	231-272-0	7473-98-5	1-5	Xn; R22	Acute Tox. 4 (H302)-oral Aquatic Chronic 3 (H412)
Photo initiator	213-426-9	947-19-3	1-3	Not Classified	Not Classified

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General advice

Do not get in eyes, on skin, or on clothing.  
Remove contaminated clothing and shoes. If symptoms persist, call a physician.

#### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

#### Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

#### Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### Ingestion

Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

### 4.2. Most important symptoms and effects, both acute and delayed

Causes skin irritation  
May cause an allergic skin reaction  
Causes serious eye irritation

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** Foam, dry chemical, carbon dioxide

**Unsuitable extinguishing media** No information available

### **5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating and toxic gases and vapors

Carbon oxides

### **5.3. Advice for firefighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

## **SECTION 6: Accidental release measures**

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

Evacuate personnel to safe areas

Ensure adequate ventilation, especially in confined areas

Remove all sources of ignition

Avoid contact with skin, eyes and inhalation of vapors

Use personal protection recommended in Section 8

### **6.2. Environmental precautions**

Local authorities should be advised if significant spillages cannot be contained

Prevent entry into waterways, sewers, basements or confined areas

### **6.3. Methods and material for containment and cleaning up**

Prevent further leakage or spillage if safe to do so

Soak up with inert absorbent material (eg. sand silica gel, acid binder, universal binder, sawdust), placing in appropriate containers for disposal

### **6.4. Reference to other sections**

See Section 7 for more information

See section 8 for more information

See section 13 for more information

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice

Ensure adequate ventilation, especially in confined areas

Avoid contact with skin, eyes or clothing

Wash contaminated clothing before reuse

Do not eat, drink or smoke when using this product

Wash thoroughly after handling

Use personal protection recommended in Section 8

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

Keep containers tightly closed in a dry, cool and well-ventilated place

Keep away from heat

Keep locked up and out of reach of children

Store in accordance with local regulations

**7.3. Specific end use(s)**

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Exposure Limits**

Substance	Acrylic acid
CAS No.	79-10-7
	Limit value - Eight hours (mg/m <sup>3</sup> )
Australia	5.9
Belgium	6.0
Canada - Québec	5.9
Denmark	5.9
France	6
Germany (AGS)	30
Germany (DFG)	30
Ireland	6
Latvia	5
New Zealand	5.9
People's Republic of China	6
Poland	20
Singapore	5.9
South Korea	6
Spain	6
Sweden	30
Switzerland	30
USA - NIOSH	30
United Kingdom	[30]

**Derived No Effect Level (DNEL)**

No information available.

**Predicted No Effect Concentration (PNEC)**

No information available.

**8.2. Exposure controls**

**Engineering Controls**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

- Eye/face protection      Tight sealing safety goggles
- Hand Protection          Wear protective gloves
- Skin and body protection      Suitable protective clothing
- Respiratory protection      In case of insufficient ventilation, wear suitable respiratory equipment

**Environmental exposure controls**

Do not allow into any sewer, on the ground or into any body of water

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Appearance</b>	Liquid
<b>Color</b>	Clear with light yellow
<b>Odor</b>	Resin
<b>Odor Threshold</b>	No information available
<b>pH</b>	No information available
<b>Melting point/freezing point</b>	Hydroxyalkyl methacrylate: -60 °C
<b>Boiling point / boiling range</b>	Hydroxyalkyl methacrylate: 209 °C (101.325 kPa)
<b>Flash point</b>	Hydroxyalkyl methacrylate: 111 °C (101.325 kPa)
<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	Not flammable
<b>Upper flammability limit:</b>	No information available
<b>Lower flammability limit:</b>	No information available
<b>Vapor Pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Density</b>	Hydroxyalkyl methacrylate: 1.03 g/cm <sup>3</sup> ( 20 °C)
<b>Bulk density</b>	No information available
<b>Specific gravity</b>	No information available
<b>Water solubility</b>	Hydroxyalkyl methacrylate: 130 g/L(25 °C)
<b>Partition coefficient</b>	Hydroxyalkyl methacrylate:3.2 Acrylic acid:0.491
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity</b>	No information available
<b>Dynamic viscosity</b>	No information available
<b>Explosive properties</b>	Not an explosive
<b>Oxidizing properties</b>	Not applicable

## 9.2. Other information

No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

Heat, flames and sparks.

### 10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

None under normal use conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydroxyalkyl methacrylate (CAS#27813-02-1)	>= 2000 mg/kg bw (OECD 401 )	> 5000 mg/kg bw ( Rabbit )	-
Acrylic acid (CAS#79-10-7)	= ca. 2720 mg/kg bw (95% CL: 2210 3370) (rat)	> 2000 mg/kg bw (OECD 402)	> 5.1 mg/L air (analytical) (OECD 403)

**Skin corrosion/irritation**

Causes skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Sensitization**

May cause an allergic skin reaction

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

Not classified

**Reproductive toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Aspiration hazard**

No information available.

**SECTION 12: Ecological information****12.1. Toxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Hydroxyalkyl methacrylate (CAS#27813-02-1)	EC50 (72h) = > 97.2 mg/L (OECD 201)	LC50(48h) = 493 mg/L (Leuciscus idus melanotus)	EC50(48h) > 143 mg/L (OECD 202)
Acrylic acid (CAS#79-10-7)	EC50(72h) = 1.53 mg/L (OECD 201)	LC50(96h) = 27 mg/L (95% CL 21 - 33 mg/L) (Oncorhynchus mykiss)	EC50(48h) = 95 mg/L (95% CL 83 - 110 mg/L) (Daphnia magna)

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

Material does not bioaccumulate.

Chemical Name	BCF
Hydroxyalkyl methacrylate(CAS#27813-02-1)	3.2
Acrylic acid(CAS#79-10-7)	0.491

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

**12.6. Other adverse effects**

No information available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.  
Contaminated packaging Empty containers should be taken for local recycling, recovery or waste disposal.

**SECTION 14: Transport information**

- 14.1 UN Number** Not regulated
- 14.2 Proper shipping name** Not regulated
- 14.3 Hazard Class** Not regulated
- 14.4 Packing Group** Not regulated
- 14.5 Environmental hazards** Not applicable
- 14.6 Special precautions** No information available
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

**International Inventories**

Component	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Hydroxyalkyl methacrylate (CAS#27813-02-1)	X	X	X	X	X	X	X	X
Acrylic acid (CAS#79-10-7)	X	X	X	X	X	X	X	X
2-Hydroxy-2-methylpropiophenone (CAS#7473-98-5)	X	X	X	X	X	X	X	X

Photo initiator (CAS#947-19-3)	X	X	X	X	X	X	X	X
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"X" Listed

"- " Not Listed

**15.2. Chemical safety assessment**

No information available

**SECTION 16: Other information****This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

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**Revision Note** Not applicable.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

**Full text of H-Statements referred to under section 3**

H226- Flammable liquid and vapour.

H302-Harmful if swallowed.

H312-Harmful in contact with skin.

H317- May cause an allergic skin reaction.

H319-Causes serious eye irritation.

H315-Causes skin irritation.

H332-Harmful if inhaled.

H314-Causes severe skin burns and eye damage.

H335- May cause respiratory irritation.

H400- Very toxic to aquatic life.

H412-Harmful to aquatic life with long lasting effects.

**Full text of R-phrases referred to under sections 2 and 3**

C - corrosive

N - dangerous for the environment

Xi - irritant

Xn - harmful

R10 - Flammable

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

R35 - Causes severe burns

R36 - Irritating to eyes

R38- Irritating to skin.

R43 - May cause sensitisation by skin contact

R50 - Very toxic to aquatic organisms



**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

----- End of Safety Data Sheet -----