

## SAFETY DATA SHEET

### 1. Identification of the substance/preparation and of the company/undertaking


<b>Chemical name (Chinese Name)</b>	:	
<b>Chemical name (English name)</b>	:	Tacusil UVA 0258
<b>Name of company</b>	:	Kitpackers Trading (Huizhou) Co., Ltd.
<b>Address</b>	:	China, Huizhou City, Guangdong, P.R.C, Room 9,11 Floor, Chuangxin Building Block 1#, No.1, Technology Road, Technology Chuangxin Park
<b>Zip code</b>	:	516211
<b>Tel.</b>	:	(86 752) 5533798
<b>Emergency number</b>	:	International Chemtrec: 01-703-527-3887 (24 hours)
<b>Recommended use</b>	:	One part UV curable epoxy
<b>Restrictions on use</b>	:	Product for industrial use only

### 2. Hazards identification

#### GHS classification

<b>Physical hazards</b>	:	Flammable liquids Not classified
<b>Health hazards</b>	:	Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category 2 Skin sensitisation, Category 1
<b>Environmental hazards</b>	:	Hazardous to the aquatic environment — Acute Hazard, Category 1 Hazardous to the aquatic environment — Chronic Hazard, Category 2

#### Label elements

<b>Hazard pictograms (GHS CN)</b>	:	
<b>Signal word (GHS CN)</b>	:	Warning.
<b>Hazard statements (GHS CN)</b>	:	H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H400 - Very toxic to aquatic life. H411 - Toxic to aquatic life with long lasting effects.

### Precautionary statements (GHS CN)

Prevention precautionary statements	: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Response Precautionary Statements	: P302+P352 - IF ON SKIN: Wash with plenty of 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. P321 - Specific treatment (see supplemental first aid instruction on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P363 - Wash contaminated clothing before reuse. P391 - Collect spillage.
Disposal precautionary statements	: P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### Additional information

Health hazard	: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Eye irritation Irritation May cause an allergic skin reaction.
Environmental hazards	: Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

### 3. Composition / information on ingredients

Name	CAS-No.	Concentration (%)
Acrylate Oligomer	Proprietary	<60

Isobornyl Acrylate	5888-33-5	>30
2-hydroxy-2-methylpropiophenone	7473-98-5	<10
Fumed Silica	Proprietary	<10

#### 4. First aid measures

##### Emergency

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.  
Take off contaminated clothing.  
If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell

##### Most Important Symptoms/Effects

- Eye irritation  
Irritation  
May cause an allergic skin reaction.

##### Personal Protection in First Aid and Measures

No additional information available

##### Notes for the doctor

- Other medical advice or treatment : Treat symptomatically

#### 5. Fire fighting measures

##### Extinguishing media

- Suitable extinguishing media : Water spray  
Dry powder  
Foam  
Carbon dioxide
- Unsuitable extinguishing media : No additional information available

### Special hazard

Hazardous decomposition products in case of fire : Toxic fumes may be released

### Advice for firefighters and protective measures

Firefighting instructions : No additional information available  
Protection during firefighting : Do not attempt to take action without suitable protective equipment  
Self-contained breathing apparatus  
Complete protective clothing

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

General measures : No additional information available  
Personal Precautions, Protective Equipment and Emergency Procedures : No additional information available

### For non-emergency personnel

Emergency procedures : Ventilate spillage area  
Avoid contact with skin and eyes  
Avoid breathing dust/fume/gas/mist/vapours/spray.

### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment  
For further information refer to section 8: "Exposure controls/personal protection"

**Environmental precautions** : Avoid release to the environment

### Methods and Equipment for Containment and Cleaning up

Methods for cleaning : No additional information available

: No additional information available

For containment : Collect spillage.

### Prevention Measures for Secondary Accidents

Prevention Measures for Secondary Accidents : No additional information available

Other information : Dispose of materials or solid residues at an authorized site

## 7. Handling and storage

### Handling

- Precautions for safe handling : Ensure good ventilation of the work station, ventilate curing ovens to prevent emissions in the workplace. Avoid contact with skin and eyes  
Wear personal protective equipment  
Avoid breathing dust/fume/gas/mist/vapours/spray.
- Hygiene measures : Wash contaminated clothing before reuse.  
Contaminated work clothing should not be allowed out of the workplace.  
Do not eat, drink or smoke when using this product. Always wash hands after handling the product
- Local and general ventilation : No additional information available

### Storage

- Storage conditions : Store in a well-ventilated place.  
Keep cool.
- Material used in packaging/containers : No additional information available

## 8. Exposure controls / personal protection

### Occupational Exposure Limits

No additional information available

### Biological limit values

No additional information available

### Monitoring methods

No additional information available

**Appropriate engineering controls** : Ensure good ventilation of the work station, ventilate curing ovens to prevent emissions in the workplace.

### Personal protective equipment

Environmental exposure controls : Avoid release to the environment.

Hand protection : Protective gloves

Eye protection : Safety glasses with side shields Skin

and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment Personal

protective equipment symbol(s)



## 9. Physical and chemical properties

<b>Physical state</b>	: Paste Liquid
<b>Appearance</b>	: No data available
<b>Colour</b>	: clear
<b>Odour</b>	: characteristic
<b>pH</b>	: No data available
<b>Melting point</b>	: Not applicable
<b>Freezing point</b>	: No data available
<b>Boiling point</b>	: No data available
<b>Flash point</b>	: > 94 °C
<b>Auto-ignition temperature</b>	: No data available
<b>Decomposition temperature</b>	: No data available
<b>Flammability (solid, gas)</b>	: Not applicable
<b>Vapour pressure</b>	: No data available
<b>Relative vapour density at 20 °C</b>	: No data available
<b>Density</b>	: 1.05 g/cm <sup>3</sup>
<b>Solubility</b>	: Not soluble in water
<b>Partition coefficient n-octanol/water (Log Pow)</b>	: No data available
<b>Lower explosive limit (LEL)</b>	: No data available
<b>Upper explosive limit (UEL)</b>	: No data available
<b>Radioactive</b>	: No

## 10. Stability and reactivity

<b>Reactivity</b>	: The product is non-reactive under normal conditions of use, storage and transport
<b>Chemical stability</b>	: Stable under normal conditions
<b>Possibility of hazardous reactions</b>	: No dangerous reactions known under normal conditions of use
<b>Conditions to avoid</b>	: None under recommended storage and handling conditions (see section 7)
<b>Incompatible materials</b>	: No additional information available
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced
<b>Other properties</b>	: No additional information available

## 11. Toxicological information

<b>Acute toxicity</b>	
Acute toxicity (oral)	: No data available
Acute toxicity (dermal)	: No data available

Acute toxicity (inhalation) : No data available

Isobornyl Acrylate	
LD50 oral rat	4350 mg/kg bodyweight (Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 3000 mg/kg bodyweight (Rabbit, Male, Experimental value, Skin, 14 day(s))
ATE CN (oral)	4350 mg/kg bodyweight
ATE CN (dermal)	2500 mg/kg bodyweight

**Skin corrosion/irritation**

Skin corrosion/irritation : Causes skin irritation.

**Serious eye damage/irritation**

Serious eye damage/irritation : Causes serious eye irritation.

**Respiratory or skin sensitisation**

Respiratory or skin sensitisation : May cause an allergic skin reaction.

**Germ cell mutagenicity**

Germ cell mutagenicity : No data available

**Carcinogenicity**

Carcinogenicity : No data available

**Reproductive toxicity**

Reproductive toxicity : No data available

**STOT-single exposure**

STOT-single exposure : No data available

**STOT-repeated exposure**

STOT-repeated exposure : No data available

**Aspiration hazard**

Aspiration hazard : No data available

## 12. Ecological information

### Ecotoxicity

- Ecology - general : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
- Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.
- Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

Isobornyl Acrylate	
LC50 fish 1	0.704 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	1.98 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
BCF fish 1	37 (OECD 305: Bioconcentration: Flow-Through Fish Test, 56 h, Danio rerio, Flow-through system, Fresh water, Read-across, GLP)

### Persistence and degradability

Isobornyl Acrylate	
Persistence and degradability	Not readily biodegradable in water

### Bioaccumulative potential

Isobornyl Acrylate	
Bioaccumulative potential	Potential for bioaccumulation ( $4 \geq \text{Log Kow} \leq 5$ )
BCF fish 1	See section 12.1 on ecotoxicology
Partition coefficient n-octanol/water (Log Pow)	4.52 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)



### Mobility in soil

Isobornyl Acrylate	
Ecology - soil	Potential for bioaccumulation ( $4 \geq \text{Log Kow} \leq 5$ )
Partition coefficient n-octanol/water (Log Pow)	4.52 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)

### Other adverse effects

Classification procedure (Ozone) : No data available

## 13. Disposal considerations

**Waste treatment methods** : Dispose of contents/container in accordance with licensed collector's sorting instructions.

**Contaminated container and packaging** : No additional information available






**Additional information** : No additional information available

## 14. Transport information

### Special transport precautions

Overland transport

Overland transport	Transport by sea	Air transport	Inland waterway transport	Rail transport
<b>UN number</b>				
3082	3082	3082	3082	3082
<b>UN proper shipping name</b>				
ENVIRONMEN TALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylic ester)	ENVIRONMEN TALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylic ester)	Environmentally hazardous substance, liquid, n.o.s. (Acrylic ester)	ENVIRONMEN TALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylic ester)	ENVIRONMEN TALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylic ester)
<b>Transport document description</b>				

UN 3082 ENVIRONMEN TALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylic ester), 9, III	UN 3082 ENVIRONMEN TALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylic ester), 9, III	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Acrylic ester), 9, III	UN 3082 ENVIRONMEN TALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylic ester), 9, III	UN 3082 ENVIRONMEN TALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylic ester), 9, III
<b>Transport hazard class(es)</b>				
9	9	9	9	9
				
<b>Packing group</b>				
III.	III.	III.	III.	III.
<b>Environmental hazards</b>				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

## 15. Regulatory information

### U.S. FEDERAL REGULATIONS

#### TSCA

The chemical components of this product are included in the TSCA Chemical Substance Inventory, as required.

#### SARA TITLE III

##### Section 313 - Toxic Chemicals

Pursuant to Section 313, this product does not contain any chemicals in a concentration equal to or greater than the de minimis level.

##### Section 311/312 - Hazard Categories

Fire Hazard:	No
Reactivity Hazard:	Yes
Sudden Release of Pressure Hazard:	No
Immediate (Acute) Health Hazard:	Yes
Delayed (Chronic) Health Hazard:	Yes

### STATE REGULATIONS / RIGHT TO KNOW

California Proposition 65: This product is not known to contain any chemicals which are recognized by the State of California to cause cancer, birth defects, or other reproductive harm

## 16. Other information

**DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable