



Product Name: Tacusil UVA 0218LV
according to:GB/T 16483、GB/T 17519

SAFETY DATA SHEET

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

Chemical name (Chinese Name) :
Chemical name (English name) : Tacusil UVA 0202HV
Name of company : Kitpackers Trading (Huizhou) Co., Ltd.
Address : China, Huizhou City, Guangdong, P.R.C, Room 9,11 Floor, Chuangxin Building Block 1#, No.1, Technology Road, Technology Chuangxin Park
Zip code : 516211
Tel. : (86 752) 5533798
Emergency number : International Chemtrec: 01-703-527-3887 (24 hours)
Recommended use : One part UV curable epoxy
Restrictions on use : Product for industrial use only

2. Hazards identification

GHS classification

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

Label elements

Hazard pictograms (GHS CN) :
Signal word (GHS CN) : Warning.
Hazard statements (GHS CN) : 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	<80

Isobornyl Acrylate	5888-33-5	>20
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 : Toxic fumes may be released
products in case of fire

Advice for firefighters and protective measures

Firefighting instructions : No additional information available
Protection during : Do not attempt to take action without suitable protective
firefighting 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, : No additional information available
Protective Equipment
and Emergency
Procedures

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 : No additional information available
for Secondary
Accidents

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.
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Personal protective equipment

Environmental exposure controls	: Avoid release to the environment.
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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

Physical state	: Paste Liquid
Appearance	: No data available
Colour	: clear
Odour	: characteristic
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 94 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Density	: 1.07 g/cm ³
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Lower explosive limit (LEL)	: No data available
Upper explosive limit (UEL)	: No data available
Radioactive	: No

10. Stability and reactivity

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

11. Toxicological information

Acute toxicity	
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 ($4 \geq \log K_{ow} \geq 5$)
BCF fish 1	See section 12.1 on ecotoxicology
Partition coefficient n-octanol/water ($\log P_{ow}$)	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
UN number				
3082	3082	3082	3082	3082
UN proper shipping name				
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)
Transport document description				

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
Transport hazard class(es)				
9	9	9	9	9
				
Packing group				
III.	III.	III.	III.	III.
Environmental hazards				
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