



Green Chemicals Co., Ltd.

Address: No.6,DingLan Road, AoYang Industrial Park, FuNing,YanCheng, P.R.China
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MATERIAL SAFETY DATA SHEET

Verison 1.0

Revision Date:03/23/2019

1. CHEMICAL PRODUCT & COMPANY INFORMATION

Company Information	Green Chemicals Co., Ltd No.6, DingLan Road, AoYang Industrial Park, FuNing,YanCheng, P.R.China +86-515-87883661
Phone Number:	
Email:	market@greenchem-china.com
Website:	www.greenchem-china.com/
Use:	For industrial use only

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin irritation(Category 2), H315

Eye irritation(Category 2), H319

Specific target organ toxicity -single exposure(Category 3), Respiratory system, H335

Long-term (chronic) aquatic hazard(Category 2), H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2. GHS Label elements, including precautionary statements

Pictogram



Signal Word:

Warning

Hazard statement(s)

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P273	Avoid release to the environment.
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



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Supplemental Hazard Statements

None

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms:	Acrylic acid isobornyl ester
Formula:	C ₁₃ H ₂₀ O ₂
Molecular weight	208,30 g/mol
CAS-No.	5888-33-5
EC-No.	227-561-6

3.2 Hazardous components

Component	Classification	Concentration
Isobornyl Acrylate	-	≅ 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eyes: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin: Wash off with soap and plenty of water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture



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Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Store in cool place. Light sensitive.

7.3 Specific end use(s)

No data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment.

Eye/Face Protection:

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer



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surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

Body Protection:

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection:

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN14387) respirator cartridges as a backup to enginee protection, use a full-face supplied air respirator.

Control of environmental exposure:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	liquid
Color:	colourless
Odor:	N/A
Initial boiling point and boiling range:	119 -121 °Cat20 hPa-lit.
Freezing/Melting Point:	N/A
Water solubility :	N/A
Vapor Density:	N/A
Vapor Pressure:	N/A
Relative density:	0.986g/cm ³ at 25 °C
Specific Gravity:	N/A
Viscosity:	N/A
PH:	N/A
Partition Coefficient (Octanol/Water):	N/A
Flash point:	97 °C - closed cup

10. STABILITY AND REACTIVITY

Chemical stability :	Stable under recommended storage conditions.
Conditions to Avoid:	No data available
Incompatible materials:	Oxidizing agents, Reducing agents, Peroxides Strong oxidizing agents
Possibility of Hazardous	No data available
Hazardous decomposition products :	Hazardous decomposition products formed under fire conditions. Carbon oxides Other decomposition products - No data available In the event of fire: see section 5



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11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	No data available
Skin Irritation:	Moderate skin irritation
Serious eye damage/eye irritation:	Moderate eye irritation
Respiratory or skin sensitisation:	No data available
Carcinogenicity (IARC; NTP; OSHA; ACGIH):	No data available
Mutagenicity:	No data available
Reproductive Toxicity:	No data available
Teratogenicity:	No data available
Neurotoxicity:	No data available
Subacute Toxicity:	No data available
Subchronic Toxicity:	No data available
Additional Information:	No data available

12. ECOLOGICAL INFORMATION

Toxicity to Fish:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Results of PBT and vPvB assessment test:	No data available
Other adverse effects:	Toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product :	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging:	Return the container to the manufacturer or dispose of it in accordance with national and local regulations.

14. TRANSPORT INFORMATION

14.1 UN number:

ADR/RID:	3082
IMDG:	3082
IATA:	3082

14.2 UN proper shipping name

ADR/RID:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Isobornyl Acrylate)
IMDG:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Isobornyl Acrylate)
IATA:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,



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N.O.S.(Isobornyl Acrylate)

14.3 Transport hazard class(es)

ADR/RID: 9
IMDG: 9
IATA: 9

14.4 Packaging group

ADR/RID: III
IMDG: III
IATA: III

Further information:

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for a single packaging and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and synonyms	CAS number	EC number
Isobornyl acrylate	Isobornyl acrylate	5888-33-5	
European Inventory of Existing Commercial Chemical Substances (EINECS)			Listed.
EC Inventory			Listed.
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
China Catalog of Hazardous chemicals 2015			Not Listed.
New Zealand Inventory of Chemicals (NZIoC)			Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS)			Listed.
Vietnam National Chemical Inventory			Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)			Listed.

16. OTHER INFORMATION

Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Yancheng Green Chemicals Co.,Ltd shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.