



# SAFETY DATA SHEET

## HUNTEX KTTV-02



Version 1.0  
SDS prepared on: 07/10/2022  
Print Date:

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

#### 1.1. Product identifier

Trade name : HUNTEX KTTV-02.

Chemical Name : Poly(acrylic acid).

#### 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Ink material.

Non-recommended : None known.

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

Company : HUNG XUONG CHEMICAL CO., LTD.

Telephone : +84 272 377 8055/56

Telefax : +84 272 377 80

E-mail : info@hungxuong.com

#### 1.4. Emergency telephone number

Emergency : +84 272 377 8055

Information :

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

GHS Classification and classification according to Regulation on classification and labeling of chemicals – Circular Number 32/2017/TT-BCT

Hazard class	Category	Hazard class and category	Hazard statement
Acute toxicity, Oral	4	Acute Tox. (Oral) 4	H302
Serious eye damage	1	Eye Dam. 1	H318
Specific target organ toxicity - single exposure, Respiratory system	3	STOT SE 3	H335
Short-term (acute) aquatic hazard	1	Aquatic Acute 1	H400
Long-term (chronic) aquatic hazard	2	Aquatic Chronic 2	H411

#### 2.2. Label elements

##### GHS Label elements

Hazard pictograms : GHS05, GHS07, GHS09

Signal word : Danger

Hazard statement : H302

H318

H335

H400

H411

Precautionary statement:



Harmful if swallowed.

Causes serious eye damage.

May cause respiratory irritation.

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.



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Prevention	: P261	Avoid breathing
	P264	dust/fume/gas/mist/vapours/spray.
	P273	Wash skin thoroughly after handling.
	P280	Avoid release to the environment.
Response	: P301+P330+P312	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+P351+P338	IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
Storage	: No special measures required.	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Disposal	: Dispose of contents and container in accordance with local, regional, national regulations	

### 2.3. Other hazards

None known

## 3. Composition/information on ingredients

### 3.1. Substance

-

### 3.2. Mixture

Information on ingredients / Hazardous components

Chemical Name	CAS-No	Concentration (%)	Classification GHS
Poly(acrylic acid)	9003-01-4		Acute Tox. 4, H302 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

## 4. First aid measures

### 4.1. Description of first aid measures

General advice	: If medical advice is needed, provide SDS document to physician.
Inhalation	: Remove the victim from exposure or move to well-ventilated area. If there is difficulty in breathing, medical advice is required.
Skin contact	: After contact with skin, wash with plenty of soap and water. Remove contaminated clothing, shoes and leather accessories.
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.



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Ingestion : In case of swallowing, rinse mouth with water, drink plenty of water. If feel unwell, seek medical advice.

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

Symptoms : no special hints

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

Treat symptomatically.

### 5. Fire-fighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : fine water spray, foam, dry powder, CO<sub>2</sub>.

Unsuitable extinguishing media : no data available.

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

In the event of fire the following can be released: carbon oxides.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

#### 5.3. Advice for firefighters

On burning will emit toxic fumes, fire fighter should wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or product of combustion.

### 6. Accidental release measures

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

Use personal protective equipment. Avoid slippery, do not touch or walk through spilled material.

#### 6.2. Environmental precautions

Take up and fill into a closable container. Prevent run off into drains and waterways.

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

Take up liquid spill into absorbent material, eg: soil, sand and other non-flammable absorbent material.

### 7. Handling and storage

#### 7.1. Precautions for safe handling

Advice on safe : Wear protective equipment, wear safety goggles when working handling.

Hygiene measures : Do not eat, drink or smoke when working. Wash hands before breaks and after work.

General protective : Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin.

#### 7.2. Condition for safe storage, including any incompatibilities

##### Prevention of fire and explosion

Information : no special measures required.

##### Storage

Information : none



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Further Information on storage conditions:

Keep container tightly closed and store in a cool, temperature 2-8 °C, dry well- ventilated location. Keep refrigerated. Store away from heat, flames, ignition sources and incompatibles. Avoid contact with oxidizing agents. Check regularly for leaks.

## 8. Exposure controls/Personal protection

### 8.1. Control parameters

Exposure limit(s):

Contains no substance with occupational exposure limit values.

### 8.2. Exposure controls

Appropriate : operate in well- ventilated area.

Engineering controls

Personal protective equipment

Eye protection : wear safety goggles.

Hand protection : protective gloves.

Body protection : protective working clothes and safety shoes.

Respiratory protection : wear respirator.

Hygiene measures : keep away from foodstuff. Always wash hands before eating, drinking, smoking. Wash contaminated clothing and other protective equipment before storage or re-use.

## 9. Physical and chemical properties

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

Physical state or appearance : liquid.

Color : no data available.

Odor : no data available.

Odor Threshold : no data available.

pH of 1% liquid (25°C) : no data available.

Melting point : no data available.

Boiling point : no data available.

Flash point : no data available.

Evaporation rate : no data available.

Flammability : no data available.

Upper Explosion/Ignition limit: no data available.

Lower explosion limit : no data available.

Vapour pressure : no data available.

Relative vapour : no data available.

Relative density : no data available.

Solubility : no data available.

Partition coefficient : no data available.

(n-octanol/water)

Autoignition temperature : no data available.



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Thermal decomposition : no data available.  
Viscosity, kinematic : no data available.  
Viscosity, Dynamic : no data available.  
Oxidizing properties : no data available.

### 9.2. Other Information

Density : no data available.  
Metal corrosion : no data available.

## 10. Stability and reactivity

### 10.1. Reactivity

Forms explosive mixtures with air on intense heating.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

Exothermic reaction with: strong bases, ammonia, sodium hydroxide solution, amines.

### 10.4. Conditions to avoid

Strong heating.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Carbon oxides.

## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : not classified.  
Acute toxicity (inhalation) : not classified.  
Acute toxicity (dermal) : not classified.  
Irritation/corrosion of the skin : not classified.  
Serious eye damage/eye irritation : serious eye damage.  
Repeated dose toxicity : not classified.

#### CMR assessment

Carcinogenicity : not classified.  
Mutagenicity : not classified.  
Teratogenicity : not classified.  
Toxicity to reproduction : not classified.  
Specific Target Organ toxicity-  
Single exposure : not classified.  
Specific Target Organ toxicity-  
Repeated exposure : not classified.  
Aspiration hazard : not classified.

## 12. Ecological information



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### 12.1. Ecotoxicity

No data available.

### 12.2. Persistence and degradability

Biodegradability : No data available.

Biochemical oxygen demand (BOD5): No data available.

Chemical oxygen demand (COD): No data available.

### 12.3. Bioaccumulative potential

No data available.

### 12.4. Mobility in soil

No data available.

### 12.5. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1 Waste treatment methods

Waste from residue: Disposal should be in accordance with local regulations and legislation.

Contaminated packaging: Dispose of empty contaminated containers in accordance with regulations and legislation.

## 14. Transport information

### D.O.T Road/Rail

UN number : not applicable.

UN Proper Shipping Name : not applicable.

Hazard label : not applicable.

Transport hazard class(es) : not applicable.

Packing group : not applicable.

Environmental hazards (Marine pollutant) : not applicable.

Transport in bulk : not applicable.

Special precaution for user : not applicable.

### Air transport ICAO-TI/IATA-DGR

UN number : not applicable.

UN proper shipping name : not applicable.

Hazard label : not applicable.

Transport hazard class(es) : not applicable.

Packing group : not applicable.

Environmental hazards : not applicable.

Transport in bulk : not applicable.

Special precaution for user : not applicable.

### Sea transport IMDG

UN number : not applicable.

UN proper shipping name : not applicable.

Hazard label : not applicable.



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Transport hazard class(es) : not applicable.  
Packing group : not applicable.  
Environmental hazards ( Marine pollutant) : not applicable.  
Transport in bulk : not applicable.  
Special precaution for user : not applicable.

## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

- Regulation on classification and labeling of chemicals - Circular Number 32/2017/TT-BCT. Date issued: 28/12/2017.
- Regulations on the list of hazardous industrial goods to be packed in the process of transporting and transporting dangerous industrial goods by road, rail and inland waterway transport - number: 44/2012/TT-BCT - Date issued 28/12/2012.
- National technical standard for ambient air quality - QCVN05:2013/BTNMT.
- National technical regulation on some hazardous substances in the surrounding air - QCVN06:2009/BTNMT.
- Regulations on the labeling of chemicals based on GHS according to Circular No. 32/2017/BCT.
- Decision, No.3733/2002/QD-BYT.

## 16. Other information

The information in the sheet were written based on the best knowledge and experience currently available but without liability.

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Legend

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Dangerous Goods.

Acute Tox. (Oral) 4: Acute toxicity, Oral, hazard category 4.

Eye Dam. 1: Serious eye damage, hazard category 1.

STOT SE 3: Specific target organ toxicity - single exposure, Respiratory system, hazard category 3.

Aquatic Acute 1: Short-term (acute) aquatic hazard, hazard category 1.

Aquatic Chronic 2: Long-term (chronic) aquatic hazard, hazard category 2.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.