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

**1.1. Product identifier**

Trade name : HUNTEX HB-2130

Chemical Name : : Acrylamide emulsion.

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

Recommended use : Textile auxiliary.

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 - Number 04/2012/TT-BCT.**

Acute toxicity-Oral : Category 4.

Skin corrosion/irritation : Category 2.

Serious eye damage/eye irritation : Category 2A.

Skin sensitization : Category 1.

Germ cell mutagenicity : Category 1B.

Carcinogenicity : Category 1B.

Reproductive toxicity : Category 2

STOT-RE : Category 1.

**2.2. Label elements**

**GHS Label elements**

Hazard pictograms : 

Signal word : DANGER

Hazard statement :

H302- Harmful if swallowed.

H315- Causes skin irritation.

H319- Causes serious eye irritation.

H317- May causes an allergic skin reaction.

H340- May cause genetic defects.

H350- May cause cancer.

H361- Suspected of damaging fertility or the unborn child.

H372- Causes damage to organs through prolonged or repeated exposure.

Precautionary statement:

Prevention:

P201- Obtain special instructions before use.

P202- Do not handle until all safety precautions have been read and understood.

P260- Do not breathe dust/fume/gas/mist/vapours/spray.

P264- Wash hands thoroughly after handling.

P270- Do not eat, drink or smoke when using this product.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280- Wear protective gloves/protective clothing/eye protection/

face protection.

Response:

P301 + P312- IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell.

P330- Rinse mouth.

P302 + P352- If on skin. Wash with plenty of soap and water.

P333+ P313- If skin irritation or rash occurs Get medical advice/attention.

P362 + P364 - Take off contaminated clothing and wash before reuse.

P305+ P351+ P338 – If in eyes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313- If eye irritation persists Get medical advice/attention.

P308 + P313- IF exposed or concerned Get medical advice/attention.

P314- Get medical advice/attention if you feel unwell.

Storage:

P405- Store locked up.

Disposal:

P501- Disposal of contents / container in accordance with 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 |
| 2-Propenamide  (H-211, Acrylamide) | 79-06-1 | 7.5-8.5 | Acute Toxicity-Oral.3, H301  Acute Toxicity-Dermal.4, H312  Acute Toxicity-Inhal.4, H332  Skin Iirrt.2, H315.  Eye Irrt.2, H319.  Skin Sens.1, H317.  Repr.2, H361f.  Carc.1B, H350.  Muta.1B, H340.  STOT RE 1, H372.  ( Refer to https://echa.europa.eu/substance-information/-/substanceinfo) |
| Alkyl alcohol ethoxylate (H-39) | 68002-97-1 | 2 | Acute Toxicity-Oral.4, H302.  Skin Irrit.2, H315.  Eye Dam.1, H318.  Aquatic Acute.1, H400.  (Refer to: Echa.com) |
| UREA |  | 10 | Not classified |
| Acetic Acid  (H-19) | 64-19-7 | 0.02 | Flam. Liq.3, H226.  Skin Corr.1A, H314.  ( Refer to ECHA.com ) |

**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 persist –Get medical advice/ attention .

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

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

Symptoms : Cause eye irritation.

**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 2

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: nitrogen oxides, sulfur oxides, carbon monoxide, carbon dioxide.

**5.3. Advice for firefighters**

On burning, fire fighter should wear self-contained breathing apparatus if risk of exposure to

product of combustion.

**6. Accidental release measures**

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

Use personal protective equipment. 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 powder 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 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

measures skin.

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

**Prevention of fire and explosion**

Information : no special measures required.

**Storage**

Information : none

Further Information on storage conditions:

Keep container tightly closed and store in a cool, dry well- ventilated location. Maintain air gap between stacks/pallets.Store away from heat, flames, ignition sources, incompatibles and oxidizing agents.

**8. Exposure controls / Personal protection**

**8.1. Control parameters**

Exposure limit(s)

This product does not contain any hazardous materials with occupational exposure limits exstablished by the region specific regulatory bodies.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Ingredient | CAS-No | Statutory basis | Value type (From of exposure; Expressed as) | Occupational exposure limit |
| Acrylamide | 79-06-1 | (Decision.No.3733/2002/QD-BYT) | TWA | 0.03 mg/m3 |
| (Decision.No.3733/2002/QD-BYT) | STEL | 0.2 mg/m3 |
| Acetic acid | 64-19-7 | (Decision.No.3733/2002/QD-BYT) | TWA | 10 ppm or 25 mg/m3 |
| (Decision.No.3733/2002/QD-BYT) | STEL | 35 mg/m3 |

**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 : wear respirator

protection

**9. Physical and chemical properties**

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

Physical state or appearance: viscouse liquid.

Color : transparent to yellowish.

Odor : odorless.

Odor Threshold : no data available.

pH of 1% liquid (25°c) : 7.0 – 9.0.

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 vapuor : no data available.

Relative density : no data available.

Solubility : soluble in water.

Partition coefficient : no data available.

(n-octanol/water)

Autoignition : no data available.

temperature

Thermal : > 123°c

decomposition

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**

Stable in normal room temperature.

**10.2. Chemical stability**

Thermally unstable.

**10.3. Possibility of hazardous reactions**

No imformation available

**10.4 Conditions to avoid**

Heat, flames, ignition sources and incompatibles. Exposure to moist air or water

**10.5. Incompatible materials**

Avoid contact with strong acids, bases and strong oxidizing agents.

**10.6 Hazardous decomposition products**

Nitrogen oxides, carbon monoxide, carbon dioxide may form when heated to decomposition.

**11. Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity : not classified.

(inhalation)

Acute toxicity (dermal) : not classified.

Irritation/corrosion : Causes skin irritation.

of the skin

Serious eye damage/ : Causes serious eye irritation.

eye irritation

Skin sensitization : May causes an allergic skin reaction.

Repeated dose toxicity : not classified.

**CMR assessment**

Carcinogenicity : May cause cancer.

Mutagenicity : May cause genetic defects.

Teratogenicity : not classified.

Toxicity to reproduction: Suspected of damaging fertility or the unborn child.

Specific target organ toxicity-single exposure: not classified.

Specific target organ toxicity-repeated exposure: Cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : not classified.

**12. Ecological information**

**Ecotoxicology Assessment**

Not classified.

**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**

Not classified as dangerous goods for transport

**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 (Marine pollutant): 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.

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 - Number 04/2012/TT-BCT - Date issued :13/02/2012
* 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
* 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.

SDS prepared on: September 19, 2020

Revision date :

Version 1.0

Legend

TWA: Time Weighted Average

STEL: Short term exposure limit

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods

Flam. Liq.3: Flammable liquid, hazard category 3.

Acute Toxicity-Oral.3: Acute toxicity oral, hazard category 3.

Acute Toxicity-Dermal.4: Acute toxicity dermal, hazard category 4.

Acute Toxicity-inhal.4: Acute toxicity inhalation, hazard category 4.

Skin Corr.1A: skin Corrosion, hazard category 1A.

Skin Irrit.2: skin irritation, hazard category 2

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

Eye Irrt.2: eye irritation, hazard category 2.

Skin Sens.1: Skin sensitization, hazard category 1.

Repr.2: Reproductive toxicity, hazard category 2. H361f.

Carc.1B: Carcinogenicity, hazard category 1B.

Muta.1B: Germ cell mutagenicity ,hazard category 1B.

STOT RE 1: Specific target organ toxicity- repeat exposure, hazard category 1.

H226: Flammable liquid and vapour.

H301: Toxic if swallowed.

H312: Harmful in contact with skin.

H332: Harmful if inhaled.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

H361f: Suspected of damaging fertility or the unborn child.

H350- May cause cancer.

H340- May cause genetic defects.

H335: May cause respiratory irritation.

H372: Cause damage to organs through prolonged or repeated exposure.