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Safety Data Sheets

1. Identification

Product name :Methacrylamide

Name of supplier :JUNSEI CHEMICAL CO., LTD.

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Product code(SDS NO) :73045jis_E1-1

2. Hazards identification

GHS classification and label elements of the product

GHS classification

HEALTH HAZARDS

Acute toxicity Oral : Category 4

Skin corrosion/irritation : Category 2

Serious eye damage /eye irritation : Category 2

Specific target organ toxicity – single exposure; Respiratory tract irritation Category 3

(Note) GHS classification without description : Not applicable/Out of classification/Not classifiable



Signal word : Warning

HAZARD STATEMENT

Harmful if swallowed.

Causes skin irritation.

Causes eye irritation

May cause respiratory irritation

PRECAUTIONARY STATEMENT

Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wash contaminated parts thoroughly after handling.

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

Use only outdoors or in a well-ventilated area.

Wear protective gloves.

Wear face protection.

Response

Call a POISON CENTRE or doctor/physician if you feel unwell.

Specific measures is required.

Rinse mouth.

Take off contaminated clothing and wash before reuse.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Storage

Store locked up.

Store in well-ventilated place. Keep container tightly closed.

Disposal

Dispose of contents/container

3. Composition/information on ingredients

Substance/Preparation : Substance

Common name, synonyms: 2-Methylprop-2-enamide

Ingredient name: Methacrylamide

content(%): 99.0 <

Chemical formula: C₄H₇NO

Chemicals No, Japan: 2-1065

CAS No.: 79-39-0

MW: 85.11

ECNO: 201-202-3

4. First-aid measures

General procedures

Call a POISON CENTRE or doctor/physician if you feel unwell.

Specific treatment is required.

IF INHALED

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN (or hair)

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

IF IN EYES :

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.

IF SWALLOWED

Rinse mouth.

Call a POISON CENTER or doctor/physician if you feel unwell.

5. Fire-fighting measures

Suitable extinguishing media

water mist, foam, dry powder, CO₂, dry sand

Specific hazards arising from the chemical

Fire may produce irritating, corrosive and/or toxic gases.

Special protective equipment and precautions for fire-fighters

Wear fire/flame resistant/retardant clothing.

Wear cold insulating gloves/face shield/eye protection.

Firefighters should wear self-contained breathing apparatus with full face piece operated positive pressure mode.

6. Accidental release measures

Personnel precautions, protective equipment and emergency procedures

Ventilate area after material pick up is complete.

Wear proper protective equipment.

Environmental precautions

Avoid release to the rivers, lakes, ocean, groundwater.

Methods and materials for neutralization, containment and cleaning up

Sweep up, place in a bag and hold for waste disposal.

Preventive measures for secondary accident

Collect spillage.

7. Handling and storage

Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

Avoid breathing dust/fume/gas/mist/Vapors/spray.

Use personal protective equipment as required.

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Exhaust/ventilator

Exhaust/ventilator should be available.

Safety treatments

Avoid contact with skin.

Avoid contact with eyes.

Avoid breathing dust, vapor, mist, or gas.

Safety Measures/Incompatibility

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

When using do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities

Recommendation for storage

Keep cool . Protect from sunlight.

Store locked up.

Store in well-ventilated place. Keep container tightly closed.

8. Exposure controls/personal protection

No Adopted value data available

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Eye wash station should be available.

Washing facilities should be available.

Protective equipment

Respiratory protection

Wear positive pressure self-contained breathing apparatus (SCBA).

Hand protection

Wear protective gloves.

Eye protection

Wear eye/face protection.

Safety and Health measures

Wash ... thoroughly after handling.

Take off contaminated clothing.

9. Physical and Chemical Properties

Physical properties

Appearance :solid

Color :white

odour data N.A.

pH :5.0-8.0(50g/L, 25°C)

Phase change temperature

Initial Boiling Point/Boiling point data N.A.

Melting point/Freezing point :110.5°C

Flash point data N.A

Auto-ignition temperature data N.A

Vapor pressure data N.A

Vapor density data N.A

Relative Vapor Density (Air=1) data N.A

Specific gravity/Density :1.1-1.12g/cm³ (20°C)

Solubility

Solubility in water :202g/L(20°C)

n-Octanol /water partition coefficient data N.A

10. Stability and Reactivity

Stability

Stable under normal storage/handling conditions.

Conditions to avoid

Open flames. Heat.

Hazardous decomposition products

Carbon oxides, Nitrogen oxides

11. Toxicological Information

Symptoms related to the physical, chemical and toxicological characteristics

Acute toxicity

Oral

rat LD50=1815mg/kg(IUCLID,2000)

Irritant properties

Skin corrosion/irritation

slightly irritating(rabbit)(IUCLID,2000)

Serious eye damage /irritation

moderately irritating(rabbit)(IUCLID,2000)

No Allergenic and sensitizing effects data available

No Mutagenic effects data available

No Teratogenic effects data available

No Carcinogenic effects data available

No Aspiration hazard data available

12. Ecological Information

Ecotoxicity

No Aquatic toxicity data available

Water solubility

202g/L(20°C)(IUCLID,2000)

No Persistence and degradability data available

No Bioaccumulative potential data available

13. Disposal Considerations

Disposal methods

Dispose of contents/container in accordance with local/national regulation

14. Transport Information

UN No, UN CLASS

Not applicable to UN NO.

15. Regulatory Information

GHS classification and labelling

Acute Tox. 4 : H302 Harmful if swallowed.

Skin Corr. 2 : H315 Causes skin irritation.

Eye Irrit. 2 : H319 Causes serious eye irritation

STOT SE 3 : H335 May cause respiratory irritation

US major regulations

TSCA

Methacrylamide

Other regulatory information

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

16. Other information

Reference Book

Globally Harmonized System of classification and labelling of chemicals, (4th ed., 2011), UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 17th edit. UN

Classification, labelling and packaging of substances and mixtures (reg.(EC) No 1272/2008)

2012 EMERGENCY RESPONSE GUIDEBOOK(US DOT)

2013 TLVs and BEIs. (ACGIH)

<http://monographs.iarc.fr/monoeval/grlist.html>

Supplier's data/information

Other information

This information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. It are advised to make their own test

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

The GHS classification data given here is based on current Japan official data, EU official data