

MATERIAL SAFETY DATA SHEET (SDS/MSDS)

ACETAMIDE 99% FOR SYNTHESIS

CAS-No.: 60-35-5

Product Code: 00007

Molecular Formula: C_2H_5NO

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance
Trade name : Acetamide 99% For Synthesis
EC no : 200-473-5
CAS No : 60-35-5
Synonyms : Amide C2 / Acetic Acid Amide

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Laboratory chemicals, Manufacture of substances

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company : Chemnovo Synthesis Pvt Ltd
N-226 Near Kumbhavali Naka
Tarapur MIDC, Boisar-401 506
Palghar, Maharashtra
Telephone : +91 7400096089
Email: export@chemnovo.in

1.4. Emergency telephone number

Emergency number : + 91 7400096089 (9:00am - 6:00 pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Carcinogenicity, Category H351

2

Classification according to Directive 67/548/EEC or 1999/45/EC

Carc.Cat.3; R40

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS08

| | | |
|--------------------------------|---|--|
| Signal word (CLP) | : | Warning |
| Hazard statements (CLP) | : | H351 – Suspected of causing cancer |
| Precautionary statements (CLP) | : | P281 – Use personal protective equipment as required |

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients**3.1. Substance**

| | | |
|--------|---|-----------------------------|
| Name | : | Acetamide 99% For Synthesis |
| CAS No | : | 60-35-5 |
| EC no | : | 200-473-5 |

Full text of R- and H-phrases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures**4.1. Description of first aid measures**

| | | |
|---------------------------------------|---|--|
| First-aid measures general | : | Suspected of causing cancer. |
| First-aid measures after inhalation | : | Assure fresh air breathing. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| First-aid measures after skin contact | : | Wash with plenty of soap and water. Get immediate 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. Get medical advice/attention. |
| First-aid measures after ingestion | : | Rinse mouth. Get medical advice/attention. |

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

Chronic symptoms : Suspected carcinogen.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

| | | |
|--------------------------------|---|---|
| Suitable extinguishing media | : | Carbon dioxide. Dry powder. Foam. Water spray. |
| Unsuitable extinguishing media | : | Do not use extinguishing media containing water |

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

| | | |
|--------------------------------|---|---|
| Protection during firefighting | : | Do not enter fire area without proper protective equipment, including respiratory protection. |
|--------------------------------|---|---|

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Precautions for safe handling : Obtain special instructions before use. Avoid contact with skin and eyes. Do not breathe vapours. Avoid dust formation. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep container tightly closed.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No additional information available

8.2. Exposure controls

Hand protection : protective gloves
Eye protection : Chemical goggles or safety glasses
Skin and body protection : Wear suitable protective clothing
Respiratory protection : wear respiratory protection.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state : Solid
Molecular mass : 59.07 g/mol
Colour : White crystalline.
Odour : mousy odor.

| | | |
|---|---|---------------------------|
| Odour threshold | : | No data available |
| pH: | : | No data available |
| Relative evaporation rate (butylacetate=1) | : | No data available |
| Melting point | : | 78 - 80 °C |
| Freezing point | : | No data available |
| Boiling point | : | 221 °C |
| Flash point | : | No data available |
| Auto-ignition temperature | : | 560 °C |
| Decomposition temperature | : | No data available |
| Flammability (solid, gas) | : | No data available |
| Vapour pressure | : | No data available |
| Relative vapour density at 20 °C | : | No data available |
| Relative density | : | No data available |
| Density | : | 1.16 g/cm ³ |
| Solubility | : | Water: 1 (g/500 mg water) |
| Log Pow | : | No data available |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | No data available |
| Explosive properties | : | No data available |
| Oxidising properties | : | No data available |
| Explosive limits | : | No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Direct sunlight. Moisture.

10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity : Not classified

| | | |
|--|---|------------------------------|
| Skin corrosion/irritation | : | Not classified |
| Serious eye damage/irritation | : | Not classified |
| Respiratory or skin sensitisation | : | Not classified |
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Suspected of causing cancer. |
| Reproductive toxicity | : | Not classified |
| Specific target organ toxicity (single exposure) | : | Not classified |
| Specific target organ toxicity (repeated exposure) | : | Not classified |
| Aspiration hazard | : | Not classified |

SECTION 12: Ecological information**12.1. Toxicity**

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product/Packaging disposal : Dispose of contents/container to ...
recommendations

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / AND

14.1. UN number

| | | |
|---------------|---|----------------|
| UN-No. (ADR) | : | Not applicable |
| UN-No. (IMDG) | : | Not applicable |
| UN-No.(IATA) | : | Not applicable |
| UN-No.(AND) | : | Not applicable |
| UN-No. (RID) | : | Not applicable |

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

| | | |
|-----------------------------|---|----------------|
| Proper Shipping Name (IMDG) | : | Not applicable |
| Proper Shipping Name (IATA) | : | Not applicable |
| Proper Shipping Name (ADN) | : | Not applicable |
| Proper Shipping Name (RID) | : | Not applicable |

14.3. Transport hazard class(es)

ADR

| | | |
|----------------------------------|---|----------------|
| Transport hazard class(es) (ADR) | : | Not applicable |
|----------------------------------|---|----------------|

IMDG

| | | |
|-----------------------------------|---|----------------|
| Transport hazard class(es) (IMDG) | : | Not applicable |
|-----------------------------------|---|----------------|

IATA

| | | |
|-----------------------------------|---|----------------|
| Transport hazard class(es) (IATA) | : | Not applicable |
|-----------------------------------|---|----------------|

AND

| | | |
|----------------------------------|---|----------------|
| Transport hazard class(es) (ADN) | : | Not applicable |
|----------------------------------|---|----------------|

RID

| | | |
|----------------------------------|---|----------------|
| Transport hazard class(es) (RID) | : | Not applicable |
|----------------------------------|---|----------------|

14.4. Packing group

| | | |
|---------------------|---|----------------|
| Packing group (ADR) | : | Not applicable |
|---------------------|---|----------------|

| | | |
|----------------------|---|----------------|
| Packing group (IMDG) | : | Not applicable |
|----------------------|---|----------------|

| | | |
|----------------------|---|----------------|
| Packing group (IATA) | : | Not applicable |
|----------------------|---|----------------|

| | | |
|---------------------|---|----------------|
| Packing group (ADN) | : | Not applicable |
|---------------------|---|----------------|

| | | |
|---------------------|---|----------------|
| Packing group (RID) | : | Not applicable |
|---------------------|---|----------------|

14.5. Environmental hazards

| | | |
|-------------------------------|---|----|
| Dangerous for the environment | : | No |
|-------------------------------|---|----|

| | | |
|------------------|---|----|
| Marine pollutant | : | No |
|------------------|---|----|

| | | |
|-------------------|---|--|
| Other information | : | No supplementary information available |
|-------------------|---|--|

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Acetamide is not on the REACH Candidate List

Acetamide is not on the REACH Annex XIV List

15.1.2. National regulations**Germany**

AwSV/VwVwS Annex reference :

Water hazard class (WGK) 1, slightly hazardous to water

(Classification according to VwVwS, Annex 2; WGK No 2)

Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Denmark

Recommendations Danish Regulation :

Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information**Full text of R-, H- and EUH-phrases:**

| | |
|--------------|--|
| Carc. | <i>2Carcinogenicity, Category 2</i> |
| H351 | <i>Suspected of causing cancer</i> |
| R40 | <i>Limited evidence of a carcinogenic effect</i> |

Further information

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. Chemnovo Synthesis Pvt Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.chemnovo.in for additional terms and conditions of sale.

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