



SAFETY DATA SHEET

(according to (EC) 1907/2006)

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

1.1. Product identifier Acetamide

Synonyms: Acetic acid amine Ethanamide

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

plasticizer
wetting agent; dye solvent; wax plasticizer

1.3. Details of the supplier of the safety data sheet

Manufacturer Information: Vertellus LLC
P.O. Box 730,
Delaware Water Gap, PA
800-344-3426

Non-Emergency Fax Number: 570-421-9012
E-Mail Address: msds@vertellus.com

Non-Emergency Phone Number: 800-344-3426

1.4. Emergency telephone number

Vertellus: 800-344-3426
CHEMTREC (USA): (800) 424-9300
(collect calls accepted); (Int'l): (703) 527-3887
(collect calls accepted; 011 prefix not needed)

SECTION 2: Hazards identification

HMIS Rating	
HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

2.1. Classification of the substance or mixture

(According to Regulation (EC) No 1272/2008)

Carcinogenicity Category 2

Signal Word:

Danger

Hazard Precautions:

H351 - Suspected of causing cancer.

2.2. Label elements

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Hazard Symbols (Pictogram):



Prevention Precautions:

P281 - Use personal protective equipment as required.
 P202 - Do not handle until all safety precautions have been read and understood.
 P201 - Obtain special instructions before use.

First Aid Precautions:

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

Storage Precautions:

P405 - Store locked up.

Disposal Precautions:

P501 - Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

Single Exposure Target Organs:

Not applicable

Repeated Exposure Target Organs:

Not applicable

(According to Directive 67/548/EEC)

Symbol: Xn
Risk Phrases: R40: Limited evidence of a carcinogenic effect.
Safety Phrases: S2: Keep out of the reach of children.
 S36/37: Wear suitable protective clothing and gloves.

2.3. Other hazards

Signs and Symptoms of Potential Overexposure: May cause gastrointestinal tract irritation with nausea and vomiting. Contact with this material may cause skin irritation. Causes moderate eye irritation.

Primary Route(s) of Exposure: Inhalation. Ingestion. Eye contact. Skin contact.

Medical Conditions Aggravated by Exposure: Not available.

SECTION 3: Composition/information on ingredients

3.1. Substances or 3.2. Mixtures

Ingredient	CAS Number	Concentration (%)	EINECS / ELINCS	EU Symbol	Risk Phrases
Acetamide	60-35-5	95-100	200-473-5	XN, Xn	Carcinogenic category 3;R40



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NOTE: See Section 8 of this MSDS for exposure limit data for these ingredients.
See Section 15 of this MSDS for trade secret information (where applicable).
See Section 16 of this MSDS for the full text of the R-phrases above.

SECTION 4: First aid measures

4.1. Description of first aid measures

- Skin Contact:** Wash thoroughly after skin contact.
- Eye Contact:** Immediately flush the eyes with plenty of water for at least 15 minutes. Call a physician.
- Inhalation:** Take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment, use the buddy system).
- Ingestion:** Have victim rinse mouth thorough with water if alert and capable.

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

- Acute:** May cause gastrointestinal tract irritation with nausea and vomiting. Contact with this material may cause skin irritation. Causes moderate eye irritation.
- Delayed Effects:** None known.

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

- Thermal Exposure:** Not applicable.
- Note to Physician:** No additional first aid information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Appropriate Extinguishing Media:** Dry chemical Carbon dioxide Alcohol foam Water spray

5.2. Special hazards arising from the substance or mixture

- Hazardous Products of Combustion:** Carbon dioxide, Carbon monoxide
- Potential for Dust Explosion:** not available
- Special Flammability Hazards:** Not applicable.

5.3. Advice for firefighters

- Basic Fire Fighting Guidance:** Evacuate area and fight fire from a safe distance.
Wear self-contained breathing apparatus and full protective clothing (i.e., Bunker gear). Skin and eye contact must be avoided due to high toxicity. Normal fire fighting procedures may be used.
- Flammability Classification (OSHA):** Not applicable.

NFPA Rating

1
2 0

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuation Procedures:

Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Special Instructions:

Remove all contaminated clothing to prevent further absorption. Decontaminate affected personnel using the first aid procedures in Section 4. Leather shoes that have been saturated must be discarded.

6.2. Environmental precautions

Prevent releases to soils, drains, sewers, and waterways.

6.3. Methods and material for containment and cleaning up

Containment Techniques and Clean-up Procedures:

LARGE SPILLS: Shut off leak if safe to do so. Avoid creating dusts. Eliminate ignition sources. If a vacuum is used, ensure that the material is wetted or otherwise treated so an explosive dust atmosphere is not created within the vacuum. Absorb the liquid and scrub the area with detergent and water.

Special Reporting Requirements:

Not applicable.

6.4. Reference to other sections

Refer to section 8 for information on selecting personal protective equipment. Refer to section 13 for information on spilled product, absorbent and clean up material disposal instructions.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for Unique Hazards:

Not applicable.

Practices to Minimize Risk:

Wear appropriate protective equipment when performing maintenance on contaminated equipment. Wash hands thoroughly before eating or smoking after handling this material.

Special Handling Equipment:

Not applicable.

7.2. Conditions for safe storage, including any incompatibilities

Storage Precautions & Recommendations:

Store in a cool dry place Keep container closed when not in use.

Dangerous Incompatibility Reactions:

Avoid contact with strong acids and oxidizing agents.

Incompatibilities with Materials of Construction:

none known

7.3. Specific end use(s)



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If a chemical safety assessment has been completed an exposure scenario is attached as an annex to this Safety Data Sheet. Refer to this annex for the specific exposure scenario control parameters for uses identified in subsection 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits (United States): OSHA PEL: Not established ACGIH TLV: Not established

8.2. Exposure controls

Also see the annex to this SDS (if applicable) for specific exposure scenario controls.

Personal Protective Equipment: Wear a NIOSH approved respirator if levels above the exposure limits are possible. This material does not have established exposure limits. Wear a positive pressure air supplied respirator in situations where there may be potential for airborne exposure Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator. Chemical goggles or face shield where necessary, impervious gloves and clothing, boots, NIOSH approved chemical cartidge respirator or supplied air breathing apparatus should be used as necessary. Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

Respirator Caution: Observe OSHA regulations for respirator use (29 CFR 1910.134). Air-purifying respirators must not be used in oxygen-deficient atmospheres.

Ventilation: All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should be provided. Use process enclosures to control the level of dust in the air. Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Other Engineering Controls: All appropriate engineering controls should be used to minimize exposure potential. Use exhaust ventilation to keep airborne concentrations below exposure limits. Facilities storing or using this material should be equipped with an eyewash and safety shower.
Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled container.

Thermal Hazards: Not applicable.

Additive or Synergistic Effects: None known.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Molecular Formula:	Not available.	Molecular Weight:	59.06 g/mol
Vapor Pressure:	Not available.	Evaporation Rate:	Not available.
Specific Gravity or Density:	1.15900000 68.000	Vapor Density (air = 1):	Not available.
Boiling Point:	Code:	Freezing / Melting Point:	Code: Not available.
Solubility in Water:	soluble	Octanol / Water Coefficient:	log Kow = -1.26

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pH:	Not available.	Odor Threshold:	Not available.
Viscosity:	2.182 centipoise 91.1 C 1.461 centipoise 111.8 C 1.056 centipoise 131.7 C	Autoignition Temperature:	Not available.
Flash Point and Method:	Not available. (Not available.) (Not available.)	Flammable Limits:	(LEL) – (UEL)

9.2. Other information

Not applicable.

SECTION 10: Stability and reactivity

<u>10.1. Reactivity</u>	Not classified as dangerously reactive.
<u>10.2. Chemical stability</u>	Stable
<u>10.3. Possibility of hazardous reactions</u>	Will not occur.
<u>10.4. Conditions to avoid</u>	No data.
<u>10.5. Incompatible materials</u>	Avoid contact with strong acids and oxidizing agents.
<u>10.6. Hazardous decomposition products</u>	Products of incomplete combustion may include CO, CO ₂ , NO _x , and dense smoke.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Oral LD ₅₀ :	(rat) 7000
Acute Dermal LD ₅₀ :	Not available.
Acute Inhalation LC ₅₀ :	Not available.
Skin Irritation:	No data available.
Skin Sensitization:	No data available.
Eye Irritation:	No data available.
Target Organs:	No data available.
Carcinogenicity:	No data available.
Teratogenicity:	Not available.
Reproduction:	Not available.
Neurotoxicity:	No data available.
Mutagenicity:	Not available.

SECTION 12: Ecological information



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<u>12.1. Toxicity</u>	Not available.
<u>12.2. Persistence and degradability</u>	No data Not available.
<u>12.3. Bioaccumulative potential</u>	No data
<u>12.4. Mobility in soil</u>	No data
<u>12.5. Results of PBT and vPvB assessment</u>	Not available.
<u>12.6. Other adverse effects</u>	No data available. Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

US EPA Waste Number:	Non-Hazardous
Waste Classification: (per US regulations)	The waste may be classified as "special" or hazardous per State regulations. NOTE: Generator is responsible for proper waste characterization. State (USA) hazardous waste regulations may differ substantially from federal (USA) regulations.
Waste Disposal:	Dispose of this material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable international, national, regional, state or local laws. Do NOT dump into any sewers, on the ground, or into any body of water. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Note that disposal regulations may also apply to empty containers and equipment rinsates.

SECTION 14: Transport information

<u>14.1. UN number</u>	UN3077
<u>14.2. UN proper shipping name</u>	Environmentally Hazardous Substance, solid, n.o.s. (Acetamide)
<u>14.3. Transport hazard class(es)</u>	9
<u>14.4. Packing group</u>	PG III
<u>14.5. Environmental hazards</u>	Not applicable
<u>14.6. Special precautions for user</u>	Not available.
NA Emergency Guidebook Numbers: 171	IMDG EMS: S-F F-A
<u>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</u>	Not applicable.

SECTION 15: Regulatory information

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

OSHA Hazards: Not applicable.

WHMIS Classification: Not Controlled

Chemical Inventory Lists:	Status
TSCA:	Present
EINECS:	200-473-5
Canada(DSL/NDSL):	DSL
Japan:	(2)-724
Korea:	KE-00004
Australia:	Present
New Zealand:	Present
China:	Present
Philippines:	Present
Switzerland:	Not Listed

New Zealand GHS Classification: 6.7B (Approval number: HSR002889)

Japan GHS Classification: Skin corrosion/irritation - Category 3: H316 Causes mild skin irritation; Serious eye damage/eye Irritation - Category 2B: H320 Causes eye irritation; Carcinogenicity - Category 2: H351 Suspected of causing cancer

Korea (MOL) GHS Classification: Non classificato da questo paese.

Australia GHS Classification: Non classificato da questo paese.

Taiwan GHS Classification: Non classificato da questo paese.

Indonesia GHS Classification: Non classificato da questo paese.

SARA 313: 15SARAH010
15SARAH030

15.2. Chemical safety assessment

Not applicable.

SECTION 16: Other information

Full text of R phrases in Section 3:



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Legend of abbreviations:

ACGIH = American Conference on Governmental Industrial Hygienists.
CAS = Chemical Abstracts Service.
CERCLA = Comprehensive Environmental, Response, Compensation and Liability Act (1990).
CFR = Code of Federal Regulations.
DSL/NDSL = Domestic Substances List/Non-Domestic Substances List.
EC = European Community.
EEC = European Economic Community.
EINECS = European Inventory of Existing Commercial chemical Substances.
ELINCS = European List of Notified Chemical Substances.
EU = European Union.
GHS = Globally Harmonized System.
LC = Lethal concentration.
LD = Lethal dose.
MOL = Ministry of Labor.
NEMA = National Emergency Management Agency.
NFPA = National Fire Protection Association.
NIOSH = National Institute of Occupational Safety and Health.
NTP = National Toxicological Program.
OSHA = Occupational Safety and Health Administration
PEL = Permissible exposure limit.
RQ = Reportable quantity.
SARA = Superfund Amendments and Reauthorization Act of 1986.
TLV = Threshold limit value.
WHMIS = Workplace Hazardous Materials Information System.

Precautionary Statement: Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

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