

1. Identification of Substance / Mixture

Product Identifier

Product Name	N-(2-Aminoethyl)acetamide
Other Names	N-Acetylenediamine
Product Code	226270
CAS	1001-53-2
MDL	MFC00008163
EINECS	N/A
REACH Registration Number	
Relevant Uses	Research and Development
Uses Advised Against	No uses advised against.

Supplier Details

Company	Fluorochem Limited
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Email	sds@fluorochem.co.uk
Emergency Telephone	+44(0)1457 860111 (08:00 - 17:30)

2. Hazards Identification

Classification	Skin Corr. 1B
Signal Word	Danger
Pictograms	



Hazards	H314 Causes severe skin burns and eye damage.
Precautions	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P280 Wear face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P321 Specific treatment. P363 Wash contaminated clothing before reuse. P405 Store locked up.
Other Classification Hazards	

3. Composition of Ingredients

SUBSTANCE				
Name	CAS	Einecs	Composition	Hazards
N-(2-Aminoethyl)acetamide	1001-53-2	N/A	<= 100%	H314 Skin Corr. 1B

4. First Aid Measures

Eye contact	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing and seek immediate medical attention.
Ingestion	If swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do not induce vomiting.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Immediately seek medical attention. If breathing is irregular or stopped, administer artificial respiration.
Skin Contact	After contact with skin or hair, wash immediately with plenty of water and soap. Remove contaminated clothing immediately. Immediately seek medical attention.
General Advice	No additional advice.
Most Important Symptoms and	Severe burns may occur.

Effects	
Immediate First Aid Measures	No additional first aid measures required.
5. Fire Fighting Measures	
Suitable Fire Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Fire Extinguishing Media	No known unsuitable media.
Special Hazards	Thermal decomposition can lead to release of irritating gases and vapours.
Advice for Fire Fighters	As in any fire, wear self-contained breathing apparatus and full protective gear.
6. Accidental Release Measures	
Personal Precautions	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Keep personnel away from spill/leak.
Environmental Precautions	Do not let product enter drains or waterways. Avoid discharge into the environment.
Containment - Methods and Materials	Spill Response should only be carried out by trained or qualified personnel.
Referenced SDS Sections	For personal protection see section 8. For disposal see section 13.
7. Handling and Storage	
Personal Precautions	
Safe Handling	Wear appropriate personal protective equipment. Use only under a chemical fume hood ensuring adequate ventilation, especially if dust, aerosol or fumes will be generated. Avoid contact with skin, eyes and clothing. For precautions see section 2.2.
Protection Against Explosion and Fire	Where possible, use anti static and spark proof equipment when handling.
General Occupational Hygiene	Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after use. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

Conditions for Safe Storage and Incompatibilities

Managing Storage Risks	Keep container tightly closed and upright. Store in a cool, dry and well-ventilated place.
Storage Controls	No special requirements
Maintaining Integrity	Keep container tightly closed in a cool area away from sunlight or heat sources.
Other Advice	No other specific advice available.
Specific End Use(s)	No specific end uses are advised. The products supplied are for research purposes only.

8. Exposure Controls / Personal Protection

Control Parameters									
Country	Info	Long Term (ppm)	Long Term (mgm3)	Short Term (ppm)	Short Term (mgm3)	Ceiling (ppm)	Ceiling (mgm3)	Other Unit	Remarks
Engineering Measures		Use only under a chemical fume hood ensuring adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location.							
Face Protection		Wear tightly fitting safety goggles which adhere to European standard EN 166. Ensure eye bath is to hand.							
Hand Proection		Handle with impermeable gloves. Inspect gloves before use. Gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.							
Skin Protection		Wear appropriate protective clothing ensuring all skin is covered. Wear safety shoes that meet at least S1 standards. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.							
Respiratory Protection		Product should be handled in a fume cupboard with adequate extraction. No respiratory equipment is needed under normal use conditions.							
Hygiene Protection		Ensure hair or skin particles cannot enter the chemical container.							
Environment Exposure Controls		Avoid discharge into the environment, see section 6.2.							

9. Physical and Chemical Properties

State	Solid
Appearance	White to pale yellow solid
Odour	No data available.
	No data available.

<b>Odour Threshold</b>	
<b>pH</b>	No data available.
<b>Melting Point / Freezing Point</b>	No data available.
<b>Initial Boiling Point</b>	No data available.
<b>Boiling Range</b>	No data available.
<b>Flash Point</b>	No data available.
<b>Evaporation Rate</b>	No data available.
<b>Flammability</b>	No data available.
<b>Upper / Lower Flammability or Explosion Limits</b>	No data available.
<b>Vapour Pressure</b>	No data available.
<b>Vapour Density</b>	No data available.
<b>Relative Density</b>	No data available.
<b>Solubility</b>	No data available.
<b>Partion Coefficient</b>	No data available.
<b>Auto Ignition Temperature</b>	No data available.
<b>Decomposition Temperature</b>	No data available.
<b>Viscosity</b>	No data available.
<b>Explosive Properties</b>	No data available.
<b>Oxidising Properties</b>	No data available.
<b>Other information</b>	No additional information available

## 10. Stability and Reactivity

<b>Reactivity</b>	No known reactivity, based on information available.
<b>Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal storage conditions.
<b>Conditions To Avoid</b>	Excess heat. Exposure to moisture.
<b>Incompatible Materials</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products</b>	No Data Available.

## 11. Toxicology Information

<b>Acute Toxicity</b>	No Toxicology data available for this product.
<b>Skin Corrosion / Irritation</b>	Strong corrosive effect on skin and mucous membranes.
<b>Serious Eye Damage / Irritation</b>	Strong corrosive effect.
<b>Respiratory or Skin Sensitisation</b>	No Toxicology data available for this product.
<b>Germ Cell Mutagenicity</b>	No Toxicology data available for this product.
<b>Carcinogencity</b>	No Toxicology data available for this product.
<b>Reproductive Toxicity</b>	No Toxicology data available for this product.
<b>STOT-single Exposure</b>	No Toxicology data available for this product.
<b>STOT-repeated Exposure</b>	No Toxicology data available for this product.
<b>Aspiration Hazard</b>	No Toxicology data available for this product.
<b>Additional Toxicology Information</b>	No Toxicology data available for this product.

## 12. Ecological Information

<b>Toxicity</b>	No Ecological data available for this product.
<b>Persistence and Degradability</b>	No Ecological data available for this product.
<b>Bio-Accumulative Potential</b>	No Ecological data available for this product.
<b>Mobility in Soil</b>	No Ecological data available for this product.
<b>Results of PBT and vPvB assessment</b>	No Ecological data available for this product.
<b>Endocrine Disrupting Properties</b>	No Ecological data available for this product.
<b>Other Adverse Effects</b>	No Ecological data available for this product.

## 13. Disposal Considerations

<b>Disposal Operations</b>	Ensure product is disposed of by licensed waste carriers.
<b>Disposal of Packaging</b>	Ensure INNER PACKAGING is disposed of by licensed waste carriers. Some OUTER PACKAGING MAY be recyclable if not contaminated.

14. Transport Information

<b>IATA UN Number</b>	3259	<b>ADR UN Number</b>	3259	<b>IMDG UN Number</b>	3259
<b>IATA Proper Shipping Name</b>	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.(N-(2-Aminoethyl)acetamide)	<b>ADR Proper Shipping Name</b>	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.(N-(2-Aminoethyl)acetamide)	<b>IMDG Proper Shipping Name</b>	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.(N-(2-Aminoethyl)acetamide)
<b>IATA Packing Group</b>	III	<b>ADR Packing Group</b>	III	<b>IMDG Packing Group</b>	III
<b>IATA Hazard Class</b>	8	<b>ADR Hazard Class</b>	8	<b>IMDG Hazard Class</b>	8
<b>IATA Sub Class</b>		<b>ADR Sub Class</b>		<b>IMDG Sub Class</b>	-
				<b>IMDG Special Provisions</b>	
				<b>IMDG IBS Instructions</b>	
				<b>IMDG IBC Instructions</b>	IBC08
				<b>IMDG Tank Instructions</b>	T3
				<b>IMDG Tank Provisions</b>	TP33

15. Regulatory Information

<b>Regulatory Information</b>	As far as Fluorochem is aware, there are no further regulations controlling this product.
<b>Chemical Safety Assessment</b>	No Chemical Safety Assessment available for this product.

16. Other Information

<b>Information Not Covered in Other Sections</b>	ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route(European Agreement concerning the International Carriage of Dangerous Goods by road) RID:Reglement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association ICAO:International Civil Aviation Organization ICAO-TI: Technical Instructions by the ICAO GHS: Globally Harmonized System of Classification and Labelling of Chemicals CAS:Chemical Abstracts Service
<b>Revision</b>	1.289
<b>Date Modified</b>	03/11/2022
<b>Disclaimer</b>	The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user. This SDS adheres to Regulation (EC) No 1907/2006.