



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Canada

Revision date 04-Jul-2021

Revision Number 3.01

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

### Product identifier

Product Name UAN 32

### Other means of identification

Product Code(s) 443931-5400025

Product-ID 443931

AD number 0167

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended use Fertilisers, Industrial, Professional.

Restrictions on use Consumer uses: Private households (= general public = consumers)

### Details of the supplier of the safety data sheet

#### Initial supplier identifier

EuroChem Trading GmbH  
Baarerstrasse 37  
CH-6300 Zug - Switzerland  
Phone +41 (0)41 727 1600  
Fax +41 (0)41 727 7606

E-mail address ra.sds@eurochemgroup.com

### Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300 Carechem 24 +44 1865 407333 Carechem 24 +1 800 579 7421  
(Toll Free)

## SECTION 2: Hazards identification

### Classification

Serious eye damage/eye irritation	Category 2A
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### Label elements

#### Warning

#### Hazard statements

Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear eye and face protection

**Precautionary Statements - Response****Eyes**

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 and attention

**Other information**

No information available.

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

Not applicable.

**Mixture**

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Ammonium nitrate	6484-52-2	48	-	-

**SECTION 4: First aid measures****Description of first aid measures****General advice**

Show this safety data sheet to the doctor in attendance.

**Inhalation  
Eye contact**

Remove to fresh air.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

**Skin contact**

Wash skin with soap and water.

**Ingestion**

Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

**Self-protection of the first aider**

Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

**Symptoms** May cause redness and tearing of the eyes. Burning sensation.

**Indication of any immediate medical attention and special treatment needed**

**Note to doctors** Dust contact with the eyes can lead to mechanical irritation. Treat symptomatically.

## **SECTION 5: Firefighting measures**

**Suitable Extinguishing Media** Water spray or fog. Flood fire area with large quantities of water, while knocking down vapours with water fog. If insufficient water supply: knock down vapours only. Dry chemical. Foam.

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not use straight streams. Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** May emit toxic fumes under fire conditions.

**Hazardous combustion products** Carbon oxides. Ammonia. Nitrogen oxides (NOx).

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## **SECTION 6: Accidental release measures**

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

**Personal precautions** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labelled containers.

## **SECTION 7: Handling and storage**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## SECTION 8: Exposure controls/personal protection

### Control parameters

#### Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

#### Engineering controls

Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Use eye protection according to EN 166, designed to protect against dusts. If splashes are likely to occur, wear safety glasses with side-shields.

#### Hand protection

Nitrile rubber. Rubber gloves. Butyl rubber. Wear suitable gloves tested to EN 374. Wear suitable gloves.

#### Skin and body protection

Long sleeved clothing. Wear suitable protective clothing.

#### Respiratory protection

Wear a half mask respirator with type P2L filter or better. (FFP2). (FFP3).

#### Other protective equipment

No information available.

#### Environmental exposure controls

Keep out of drains, sewers, ditches and waterways.

#### General hygiene considerations

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

#### Thermal hazards

None under normal processing.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Physical state	Liquid
Appearance	aqueous solution
Colour	colourless
Odour	None Slight
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	>= 7	approx
Melting point / freezing point	> -17 - -12 °C / 1.4 - 10.4 °F	None known
Initial boiling point and boiling range	No data available	No information available
Flash point	No data available	Not applicable
Evaporation rate	No data available	No data available
Flammability	No data available	Not flammable
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure	No data available	No information available
Relative vapour density	No data available	None known
Relative density	1.306 - 1.337	@ 20 °C
Water solubility	No data available	Soluble in water
Solubility in other solvents	No data available	None known

<b>Partition coefficient</b>	No data available	Not applicable
<b>Autoignition temperature</b>	No data available	No information available
<b>Decomposition temperature</b>		To avoid thermal decomposition, do not overheat approx
<b>Kinematic viscosity</b>	4.19 mm <sup>2</sup> /s	approx
<b>Dynamic viscosity</b>	5.5 mPa s	@ 20 °C approx
<b>Other information</b>		
<b>Explosive properties</b>	No information available.	
<b>Oxidising properties</b>	No information available.	
<b>Softening point</b>	No information available	
<b>Molecular weight</b>	No information available	
<b>VOC Content (%)</b>	No information available	
<b>Liquid Density</b>	1.261 – 1.362 g/cm <sup>3</sup>	
<b>Bulk density</b>	No information available	

## SECTION 10: Stability and reactivity

### Reactivity

None under normal processing. Do not expose to sudden shock or sources of heat.

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

None under normal processing.

### Hazardous polymerisation

No information available.

### Conditions to avoid

See section 7 for more information.

### Incompatible materials

Combustible material. Organic material. Strong oxidising agents, strong acids, and strong bases. Chlorine. Dry chemical, soda ash or lime.

**Hazardous decomposition products** Nitrogen oxides (NO<sub>x</sub>). Carbon dioxide (CO<sub>2</sub>). Ammonia.

## SECTION 11: Toxicological information

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Symptoms</b>	May cause redness and tearing of the eyes.
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### Acute toxicity

### Numerical measures of toxicity

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ammonium nitrate 6484-52-2	= 2217 mg/kg ( Rat )	-	> 88.8 mg/L ( Rat ) 4 h

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	May cause skin irritation.
<b>Serious eye damage/eye irritation</b>	Classification based on data available for ingredients. Causes serious eye irritation.
<b>Respiratory or skin sensitisation</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Ammonium nitrate 6484-52-2	-	Group 2A	-	X

**Legend****IARC (International Agency for Research on Cancer)**

Group 2A - Probably Carcinogenic to Humans

**OSHA (Occupational Safety and Health Administration of the US Department of Labour)**

X - Present

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**SECTION 12: Ecological information****Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ammonium nitrate 6484-52-2	-	LC50: 65 - 85mg/L (48h, Cyprinus carpio)	-	-

<b>Persistence and degradability</b>	No information available.
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**Bioaccumulation****Component Information**

Chemical name	Partition coefficient
Ammonium nitrate 6484-52-2	-3.1

**Mobility** No information available.

**Other adverse effects** No information available.

## SECTION 13: Disposal considerations

### Disposal methods

**Waste from residues/unused products** Controlled application to agricultural soil. Fertiliser.

**Contaminated packaging** Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

## SECTION 14: Transport information

<u>TDG</u>	Not regulated
<u>DOT</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO (air)</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>IMSBC Code</u>	Not applicable for liquids
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

## SECTION 15: Regulatory information

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

#### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

#### International Inventories

<b>TSCA</b>	Contact supplier for inventory compliance status.
<b>DSL/NDSL</b>	Contact supplier for inventory compliance status.
<b>EINECS/ELINCS</b>	Contact supplier for inventory compliance status.
<b>ENCS</b>	Contact supplier for inventory compliance status.
<b>IECSC</b>	Contact supplier for inventory compliance status.
<b>KECL</b>	Contact supplier for inventory compliance status.

**PICCS** Contact supplier for inventory compliance status.  
**AIIC** Contact supplier for inventory compliance status.

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AIIC** - Australian Inventory of Industrial Chemicals

**SECTION 16: Other information**

<b>NFPA</b>	<b>Health hazards</b> 2	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special hazards</b> -
<b>HMIS</b>	<b>Health hazards</b> 2	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal protection</b> X

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AELG(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Revision date** 04-Jul-2021

**Revision Note** No information available.

**Disclaimer**

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**End of Safety Data Sheet**