

Safety Data Sheet

according to 29 CFR 1910.1200(g)

ATM-CoolCut 2

Revision date: 12/9/2025

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1. Identification

Product identifier

ATM-CoolCut 2

Further trade names

ATM-CoolCut 2
order number 95014718

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

Reagents and laboratory chemicals
Restricted to professional users.

Details of the supplier of the safety data sheet

Manufacturer

Company name:	ATM Qness GmbH
Street:	Emil-Reinert-Straße 2
Place:	D-57636 Mammelzen
Telephone:	+49 (0) 2681 95390
E-mail:	info@qatm.com
Contact person:	info@qatm.com

Importer/Only Representative

Company name:	Verder Scientific Inc.
Street:	11 Penns Trail
Place:	USA- Newtown, PA 18940
Telephone:	+1 866-473-8724
E-mail:	info-us@verder-scientific.com

2. Hazard(s) identification

Classification of the chemical

29 CFR Part 1910.1200

Serious eye damage/eye irritation: Category 2A
Respiratory or skin sensitization: Skin sensitization, category 1
Classification procedure: Data obtained by expert judgement.

Label elements

29 CFR Part 1910.1200

Signal word: Warning**Pictograms:**

Hazard statements

May cause an allergic skin reaction
Causes serious eye irritation

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing and eye protection/face protection.
If on skin: Wash with plenty of water and soap.

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Precautionary statements

If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
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.
Dispose of waste according to applicable legislation.

Hazards not otherwise classified

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

3. Composition/information on ingredients

Mixtures

Relevant ingredients

CAS No	Components	Quantity
141-43-5	2-aminoethanol; ethanolamine	3 - < 5 %
122-99-6	2-phenoxyethanol	2.5 - < 3 %
101-83-7	dicyclohexylamine	1 - < 2.5 %
124-07-2	octanoic acid	1 - < 2.5 %
55406-53-6	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate	0.1 - < 0.25 %

Further Information

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

After inhalation

Provide fresh air. If experiencing respiratory symptoms: Call a doctor.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. Get medical help.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water. Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO₂), Water spray jet
Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet

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Specific hazards arising from the chemical

Non-flammable.

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x), Pyrolysis products, toxic

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus. Full protection suit.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

General advice

Do not breathe gas/fume/vapor/spray. Avoid contact with skin, eyes and clothes. Evacuate area.

For non-emergency personnel

Provide adequate ventilation. Use personal protection equipment.

For emergency responders

Wear personal protection equipment (refer to section 8).

Environmental precautions

Do not allow to enter into surface water or drains.

Methods and material for containment and cleaning up

For containment

Stop leak if safe to do so. Cover drains.

For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Other information

Clean contaminated articles and floor according to the environmental legislation.

Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

7. Handling and storage

Precautions for safe handling

Advice on safe handling

Provide adequate ventilation. Do not breathe gas/fume/vapor/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Store in a well-ventilated place. Keep cool. Keep/Store only in original container.

Hints on joint storage

Do not store together with: Peroxides, Isocyanates, Phenols

Further information on storage conditions

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Keep away from heat.

8. Exposure controls/personal protection

Control parameters

Exposure limits

CAS No	Substance	ppm	mg/m ³	Category	Origin
141-43-5	Ethanolamine	3	6	TWA (8 h)	PEL
		3	8	TWA (8 h)	REL
		6	15	STEL (15 min)	REL
141-43-5	Ethanolamine	3	8	TWA (8 h)	ACGIH-2025
		6	15	STEL (15 min)	ACGIH-2025

Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly sealed safety glasses. EN ISO 16321 (EN 166).

Hand protection

Wear suitable gloves. (EN ISO 374)

Suitable material: NBR (Nitrile rubber), PVC (polyvinyl chloride), CR (polychloroprene, chloroprene rubber)
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

Respiratory protection necessary at: insufficient ventilation, exceeding exposure limit values.

Thermal hazards

No information available.

Environmental exposure controls

Avoid release to the environment.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Color:	light yellow
Odor:	characteristic
Odour threshold:	not determined
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	Non-flammable.
Lower explosion limits:	not determined
Upper explosion limits:	not determined

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Flash point:	not applicable
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value (at 20 °C):	9,6
Viscosity / kinematic (at 40 °C):	65 mm ² /s
Water solubility:	completely miscible
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	not determined
Vapor pressure:	not determined
Density:	1,086 g/cm ³
Relative vapour density:	not determined
Particle characteristics:	not applicable

Other information

No information available.

10. Stability and reactivity

Reactivity

No hazardous reaction when handled and stored according to provisions.

Chemical stability

Stability: Stable

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

Hazardous reactions: Will not occur

No information available.

Conditions to avoid

Heat

Incompatible materials

Peroxides, Isocyanates, Phenols

Hazardous decomposition products

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x), Pyrolysis products, toxic

11. Toxicological information

Route(s) of Entry

oral, Skin contact, Eye contact.

Inhalation: aerosol or mist formation

Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 5000 mg/kg; ATE (inhalation vapour) > 50 mg/l; ATE (inhalation dust/mist) > 12.5 mg/l

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CAS No	Components				
	Exposure route	Dose	Species	Source	Method
141-43-5	2-aminoethanol; ethanolamine				
	oral	LD50 1089 mg/kg	Rat	ECHA	
	dermal	LD50 1025 mg/kg	Rabbit	IUCLID	
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1.5 mg/l			
122-99-6	2-phenoxyethanol				
	oral	LD50 1850 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rabbit		
101-83-7	dicyclohexylamine				
	oral	LD50 200 mg/kg	Rat	Manufacturer	
	dermal	ATE 300 mg/kg			
55406-53-6	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate				
	oral	ATE 500 mg/kg			
	inhalation dust/mist	ATE 0,17 mg/l			

Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye irritation

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Classification procedure: Data obtained by expert judgement. (Source: Pre-supplier/manufacturer)

Sensitizing effects

May cause an allergic skin reaction (3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate)

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Other information

No information available.

12. Ecological information

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

The product has not been tested.

Mobility in soil

The product has not been tested.

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Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other adverse effects

No information available.

Further information

Avoid release to the environment.

13. Disposal considerations

Waste treatment methods

Disposal recommendations

Collect the waste separately. Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

14. Transport information

U.S. DOT 49 CFR 172.101

Proper shipping name:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

UN number or ID number:

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN number or ID number:

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

No information available.

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

not applicable

15. Regulatory information

U.S. Regulations

National Inventory TSCA

CAS No.: 141-43-5: listed

CAS No.: 55406-53-6: listed

CAS No.: 122-99-6: listed

CAS No.: 124-07-2: listed

CAS No.: 101-83-7: listed

National regulatory information

SARA Section 311/312 Hazards:

2-aminoethanol; ethanolamine (141-43-5): Immediate (acute) health hazard

2-phenoxyethanol (122-99-6): Immediate (acute) health hazard

dicyclohexylamine (101-83-7): Immediate (acute) health hazard

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octanoic acid (124-07-2): Immediate (acute) health hazard

3-Iodo-2-propynyl butylcarbamate (55406-53-6): Immediate (acute) health hazard, Delayed (chronic) health hazard

SARA Section 313 Toxic release inventory:

3-Iodo-2-propynyl butylcarbamate (55406-53-6): De minimis limit = 1.0 %, Reportable threshold = Standard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information

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Abbreviations and acronyms

CAS: Chemical Abstracts Service

CFR: Code of Federal Regulations

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

OSHA: Occupational Safety and Health Administration

UN: United Nations

ACGIH: American Conference of Governmental Industrial Hygienists

ATE: Acute Toxicity Estimates

BCF: Bio-Concentration Factor

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

STEL: Short-Term Exposure Limit

TWA: Time Weighted Average

VOC: Volatile Organic Compounds

DIN: Deutsches Institut für Normung e.V. (German Institute for Standardization)

EN: European Standard

ISO: International Organization for Standardization

IUCLID: International Uniform Chemical Information Database

LC50: Lethal Concentration, 50 %

LD50: Lethal Dose, 50 %

LL50: Lethal Loading, 50 %

OECD: Organisation for Economic Co-operation and Development

EC50: Effective Concentration 50 %

EL50: Effect Loading, 50 %

ErC50: Effective Concentration 50 %, growth rate

NOEC: No Observed Effect Concentration

DGR: Dangerous Goods Regulations

DOT: Department Of Transportation

EmS: Emergency Schedules

IATA: International Air Transport Association

IBC: Intermediate Bulk Container

ICAO: International Civil Aviation Organization

IE: Industrial Emissions

IMDG: International Maritime Code for Dangerous Goods

LQ: Limited Quantity

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

TI: Technical Instructions

IARC: International Agency for Research on Cancer

NFPA: National Fire Protection Association

NTP: National Toxicology Program

SARA: Superfund Amendments and Reauthorization Act

TSCA: Toxic Substances Control Act

Key literature references and sources for data

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations). (v.1.2, 2013)

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Other data

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Observe in addition any national regulations!

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)