

**ATM-CoolCut**

Revision: 13.01.2026

Product code: epos1000144

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

ATM-CoolCut

**Further trade names**

ATM-CoolCut  
order number 95004145 - 1 L  
order number 95004146 - 5 L  
order number 95004147 - 10 L

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

Reagents and laboratory chemicals  
Restricted to professional users.

**1.3. Details of the supplier of the safety data sheet**

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

**1.4. Emergency telephone number:**

Global Access Code: 333498 (Europe: +44 20 35147487 / Americas: +1 866 519 4752 / Middle East/Africa: +1 760 476 3959 / Asia/Pacific: +1 760 476 3960)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

Classification procedure: Data obtained by expert judgement.

**2.2. Label elements****Regulation (EC) No 1272/2008****Hazard statements**

EUH208 Contains pyridine-2-thiol 1-oxide, sodium salt; pyrithione sodium; sodium pyrithione. May produce an allergic reaction.  
EUH210 Safety data sheet available on request.

**2.3. Other hazards**

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

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

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**Relevant ingredients**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether			3 - < 7 %
	203-961-6	603-096-00-8		
	Eye Irrit. 2; H319			
105-59-9	2,2'-(methylimino)diethanol; N-methyldiethanolamine			1 - < 5 %
	203-312-7	603-079-00-5	01-2119488970-24	
	Eye Irrit. 2; H319			
3811-73-2	pyridine-2-thiol 1-oxide, sodium salt; pyrithione sodium; sodium pyrithione			0,1 - < 0,25 %
	223-296-5	613-344-00-7		
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 2; H331 H311 H302 H315 H319 H317 H372 H400 H411 EUH070			

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	3 - < 7 %
		dermal: LD50 = 2764 mg/kg; oral: LD50 = 3305 mg/kg	
105-59-9	203-312-7	2,2'-(methylimino)diethanol; N-methyldiethanolamine	1 - < 5 %
		dermal: LD50 = 5990 mg/kg; oral: LD50 = 4680 mg/kg	
3811-73-2	223-296-5	pyridine-2-thiol 1-oxide, sodium salt; pyrithione sodium; sodium pyrithione	0,1 - < 0,25 %
		inhalation: ATE 0,5 mg/l (dusts or mists); dermal: ATE 790 mg/kg; oral: ATE 500 mg/kg Aquatic Acute 1; H400: M=100	

**SECTION 4: First aid measures**
**4.1. 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. In case of skin reactions, consult a physician.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink 1 glass of water. Observe risk of aspiration if vomiting occurs. Never give anything by mouth to an unconscious person or a person with cramps. Get medical help if you feel unwell.

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

May cause an allergic skin reaction.

In rare cases the product can cause temporary erythema of the skin.

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

Treat symptomatically.

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

alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), Water spray jet  
Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

Non-flammable.

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Nitrogen oxides (NO<sub>x</sub>), Pyrolysis products, toxic

**5.3. Advice for firefighters**

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.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Do not breathe gas/fumes/vapour/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).

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. 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.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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

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

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**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.

**7.2. 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: Oxidising agent, strong

**Further information on storage conditions**

Keep away from heat.

storage temperature: 10 - 30 °C

**7.3. Specific end use(s)**

Reagents and laboratory chemicals

Restricted to professional users.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL

**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether			
Worker DNEL, long-term		dermal	systemic	20 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	67,5 mg/m <sup>3</sup>

**PNEC values**

CAS No	Substance	Value
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	
Freshwater		1 mg/l
Marine water		3,9 mg/l
Freshwater sediment		4 mg/kg
Marine sediment		0,4 mg/kg
Micro-organisms in sewage treatment plants (STP)		200 mg/l
Soil		0,4 mg/kg

**8.2. Exposure controls**

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**Appropriate engineering controls**

Provide adequate ventilation as well as local exhaustion 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: NR (natural rubber, Natural latex)

Thickness of the glove material: 0,6 mm

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, aerosol or mist formation

Recommendation: Filter material/medium: A2-P2; EN 14387

**Thermal hazards**

No information available.

**Environmental exposure controls**

Avoid release to the environment.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	light yellow
Odour:	characteristic
Odour threshold:	not determined

	<b>Test method</b>
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
Flash point:	not applicable
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value (at 20 °C):	9 - 10 DIN 51369
Viscosity / kinematic: (at 40 °C)	5 - 7 mm <sup>2</sup> /s DIN 16896
Water solubility:	easily soluble

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Solubility in other solvents

not determined

Partition coefficient n-octanol/water:

not determined

Vapour pressure:

not determined

Density:

1,040 - 1,070 g/cm<sup>3</sup> DIN 51757

Relative vapour density:

not determined

Particle characteristics:

not applicable

**9.2. Other information**

No information available.

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

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No information available.

**10.4. Conditions to avoid**

Heat

**10.5. Incompatible materials**

Oxidising agent, strong

**10.6. Hazardous decomposition products**In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Nitrogen oxides (NO<sub>x</sub>), Pyrolysis products, toxic**SECTION 11: Toxicological information****11.1. Information on hazard classes****Acute toxicity**

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

**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 5000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 12.5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				
	oral	LD50 3305 mg/kg	Rat	Pre-supplier/manufac turer	
	dermal	LD50 2764 mg/kg	Rabbit	Pre-supplier/manufac turer	
105-59-9	2,2'-(methylimino)diethanol; N-methyldiethanolamine				
	oral	LD50 4680 mg/kg	Rat	Pre-supplier/manufac turer	
	dermal	LD50 5990 mg/kg	Rabbit	Pre-supplier/manufac turer	
3811-73-2	pyridine-2-thiol 1-oxide, sodium salt; pyrithione sodium; sodium pyrithione				
	oral	ATE 500 mg/kg			
	dermal	ATE 790 mg/kg			
	inhalation dust/mist	ATE 0,5 mg/l			

**Irritation and corrosivity**

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

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

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

**Sensitising effects**

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

Contains pyridine-2-thiol 1-oxide, sodium salt; pyrithione sodium; sodium pyrithione. May produce an allergic reaction.

**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.

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**Information on likely routes of exposure**

oral, Skin contact, Eye contact.

Inhalation: aerosol or mist formation / particulates and dust

**11.2. Information on other hazards**
**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.

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

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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
105-59-9	2,2'-(methylimino)diethanol; N-methyldiethanolamine					
	Acute fish toxicity	LC50 1000 - 2200 mg/l	96 h	Leuciscus idus		
	Acute algae toxicity	ErC50 37 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 233 mg/l	48 h	Daphnia magna		
3811-73-2	pyridine-2-thiol 1-oxide, sodium salt; pyriithione sodium; sodium pyriithione					
	Acute fish toxicity	LC50 0,0066 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	Pre-supplier/manufacturer	
	Crustacea toxicity	NOEC 0,08 mg/l	72 d	Pseudokirchneriella subcapitata	Pre-supplier/manufacturer	

**12.2. Persistence and degradability**

The product has not been tested.

**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
105-59-9	2,2'-(methylimino)diethanol; N-methyldiethanolamine	-1,08

**12.4. Mobility in soil**

The product has not been tested.

**12.5. Results of PBT and vPvB assessment**

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

**12.6. 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.

**12.7. Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

**SECTION 13: Disposal considerations**
**13.1. 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.

**SECTION 14: Transport information**
**Land transport (ADR/RID)**
**14.1. UN number or ID number:**

No dangerous good in sense of these transport regulations.

**14.2. UN proper shipping name:**

No dangerous good in sense of these transport regulations.

**14.3. Transport hazard class(es):**

No dangerous good in sense of these transport regulations.

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<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of these transport regulations.
<b>Inland waterways transport (ADN)</b>	
<b><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of these transport regulations.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of these transport regulations.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of these transport regulations.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of these transport regulations.
<b>Marine transport (IMDG)</b>	
<b><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.
<b>Air transport (ICAO-TI/IATA-DGR)</b>	
<b><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.5. Environmental hazards</u></b>	
ENVIRONMENTALLY HAZARDOUS:	No
<b><u>14.6. Special precautions for user</u></b>	No information available.
<b><u>14.7. Maritime transport in bulk according to IMO instruments</u></b>	not applicable

**SECTION 15: Regulatory information**

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

**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 55, Entry 75

Information according to Directive 2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

2 - obviously hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

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**Abbreviations and acronyms**

Acute Tox. 3: Acute toxicity, hazard category 3  
Acute Tox. 4: Acute toxicity, hazard category 4  
Skin Irrit. 2: Skin irritation, hazard category 2  
Eye Irrit. 2: Eye irritation, hazard category 2  
Skin Sens. 1: Skin sensitisation, hazard category 1  
STOT RE 1: Specific target organ toxicity - repeated exposure, hazard category 1  
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1  
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2  
CAS: Chemical Abstracts Service  
CLP: Classification, Labelling and Packaging  
EU: European Union  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
REACH: Registration, Evaluation and Authorization of Chemicals  
UN: United Nations  
PBT: Persistent, Bioaccumulative, Toxic  
SVHC: Substance of Very High Concern  
vPvB: very Persistent, very Bioaccumulative  
ATE: Acute Toxicity Estimates  
BCF: Bio-Concentration Factor  
DMEL: Derived Minimal Effect Level  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration  
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  
M-Faktor: Multiplication Factor  
NOEC: No Observed Effect Concentration  
ADN: Accord européen relatif au transport international des marchandises Dangereuses par voies de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)  
ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
DGR: Dangerous Goods Regulations  
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  
MFAG: Medical First Aid Guide  
RID: Regulations concerning the International carriage of Dangerous goods by rail

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TI: Technical Instructions

**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)

**Relevant H and EUH statements (number and full text)**

H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
EUH070	Toxic by eye contact.
EUH208	Contains pyridine-2-thiol 1-oxide, sodium salt; pyrithione sodium; sodium pyrithione. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

**Further Information**

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!

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