

Safety Data Sheet

according to 29 CFR 1910.1200(g)

Anti-fog Spray

Revision date: 09.12.2025

Product code: epos1000042

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1. Identification**Product identifier**

Anti-fog Spray

Further trade namesAntibeschlag-Spray / Anti-fog Spray
order number 95008900 - 100 ml**Recommended use of the chemical and restrictions on use****Use of the substance/mixture**Cleaning agent
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**Emergency phone 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)

2. Hazard(s) identification**Classification of the chemical****29 CFR Part 1910.1200**

Flammable liquids: Flam. Liq. 4

Label elements**29 CFR Part 1910.1200****Signal word:** Warning**Hazard statements**

Combustible liquid

Precautionary statementsKeep away from heat/sparks/open flames/hot surfaces. - No smoking.
Wear protective gloves and eye protection/face protection.
In case of fire: Use sand, earth, extinguishing powder or foam to extinguish.
Store in a well-ventilated place.
Dispose of contents/container to an appropriate recycling or disposal facility.**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

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Mixtures**Chemical characterization**
in aqueous solution**Relevant ingredients**

CAS No	Components	Quantity
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	1 - < 10 %
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	1 - 5 %

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

Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap. If skin irritation occurs: Get medical help.

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.

Most important symptoms and effects, both acute and delayed

No information available.

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

Specific hazards arising from the chemical

Non-flammable. Handling larger quantities: Vapors may form explosive mixtures with air.

In case of fire may be liberated: Carbon monoxide, Carbon dioxide, 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.

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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. Special danger of slipping by leaking/spilling product.

For non-emergency personnel

Remove all sources of ignition. 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.

Ventilate affected area.

Other information

Use only non-sparking tools.

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

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

Vapors may form explosive mixtures with air.

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: Oxidizing agent, strong, Strong acid, strong base

Further information on storage conditions

Keep away from heat. Protect from direct sunlight.

8. Exposure controls/personal protection

Control parameters

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Exposure limits

CAS No	Substance	ppm	mg/m ³	Category	Origin
107-98-2	1-Methoxy-2-propanol	50	184	TWA (8 h)	ACGIH-2025
		100	369	STEL (15 min)	ACGIH-2025
67-63-0	2-Propanol	200	491	TWA (8 h)	ACGIH-2025
		400	984	STEL (15 min)	ACGIH-2025
67-63-0	Isopropyl alcohol	400	980	TWA (8 h)	REL
		400	980	TWA (8 h)	REL
		500	1225	STEL (15 min)	REL
107-98-2	Propylene glycol monomethyl ether	100	360	TWA (8 h)	REL
		150	540	STEL (15 min)	REL

Biological Exposure Indices (BEI-ACGIH)

CAS No	Substance	Determinant	Value	Test material	Sampling time
67-63-0	2-PROPANOL	Acetone	40 mg/L	urine	End of shift at end of workweek

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

Handling larger quantities: Tightly sealed safety glasses. EN ISO 16321 (EN 166).

Hand protection

Handling larger quantities: Wear suitable gloves. (EN ISO 374)

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

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

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Color:	yellow-orange	
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
Flash point:		> 90 °C
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value:		approx. 7,5
Viscosity / kinematic:		4,1 mm ² /s
Water solubility:		completely miscible
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:		not determined
Vapor pressure:		< 0,02 hPa
(at 20 °C)		
Density:		1,01 g/cm ³
Relative vapour density:		not determined
Particle characteristics:		not applicable

Other information**Information with regard to physical hazard classes**

Explosive properties

Handling larger quantities: Vapors may form explosive mixtures with air.

Further 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: May occur

Handling larger quantities: Vapors may form explosive mixtures with air.

Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Heat. UV-radiation/sunlight.

Incompatible materials

Oxidizing agent, strong, Strong acid, strong base

Hazardous decomposition productsIn case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide, Pyrolysis products, toxic**11. Toxicological information**

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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) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 5840 mg/kg	Rat	Manufacturer	
	dermal	LD50 13900 mg/kg	Rabbit	Manufacturer	
	inhalation (4 h) vapour	LC50 72,6 mg/l	Rat	Manufacturer	
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether				
	oral	LD50 4016 mg/kg	Rat	Manufacturer	
	dermal	LD50 11000 mg/kg	Rabbit	Manufacturer	

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.

Sensitizing effects

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

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): Isopropyl alcohol (CAS 67-63-0) is listed in group 3.

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

Aspiration hazard

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

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.

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12. Ecological information**Ecotoxicity**

The product is not: Ecotoxic.

Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Bioaccumulative potential

The product has not been tested.

Mobility in soil

The product has not been tested.

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

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15. Regulatory information**U.S. Regulations****National Inventory TSCA**

CAS No.: 67-63-0: listed

CAS No.: 107-98-2: listed

National regulatory information

SARA Section 311/312 Hazards:

Isopropyl alcohol (mfg-strong acid process) (67-63-0): Fire hazard, Immediate (acute) health hazard

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2): Fire hazard, Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

Isopropyl alcohol (mfg-strong acid process) (67-63-0): 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.

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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)

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!



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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.)