

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Antimikrob

1.2 Relevant identified uses of the substance or mixture and uses advised against

Slimicide, biocide for fuel tanks.

1.3 Details of the supplier of the safety data sheet

Supplier Agro Oil
Box 30192
104 25 Stockholm, Sweden
Telephone +46 (0)10-556 00 00
E-mail info@agrol.se

1.4 Emergency telephone number

In emergency situations, contact National Poisons Information Service, NHS 111 or a doctor.

SECTION 2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Asp. Tox. 1, H304
Skin corr. 1B, H314
STOT SE 3, H336
Aquatic Chronic 2, H411

2.2 Label elements

Hazard pictograms



Signal word

DANGER

Substances that contribute to the classification

Hydrocarbons, C10 aromatics, <1% naphthalene, Naphthalene, 3,3'-methylenebis[5-methyloxazolidine]

Hazard statements

H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Antimikrob

Precautionary statements

P102	Keep out of reach of children.
P260	Do not breathe vapours.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
P501	Dispose of contents/container to approved waste disposal facility in accordance with local regulations

Other labelling

EUH066. Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION OM INGREDIENTS

3.2 Mixtures

Classification according to Regulation (EC) No 1272/2008 [CLP]

Name	EC no.	CAS no.	REACH reg no.	% (w/w)	Hazard statements
Hydrocarbons, C10 aromatics, <1% naphthalene	918-811-1	-	01-2119463583-34	70-75	Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 EUH066
Naphthalene	202-049-5	91-20-3	01-2119561346-37	0,1-0,9	Acute Tox. 4, H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,3'-methylenebis[5-methyloxazolidine]	266-235-8	66204-44-2	**	15-24,9	Skin Corr. 1B, H314 Acute tox. 4, H302 Acute tox. 4, H312 Aquatic Chronic 3, H412

** Not available or REACH registration not required

Other information

For a full text of hazard statements: see Section 16

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

After inhalation: Fresh air and rest. Drink water if possible. If difficulties in breathing get medical advice.
 After eye contact: Rinse immediately with a soft stream of water or eye wash for at least 15 minutes. Use lukewarm water. Keep eyelids wide apart, remove any contact lenses. To the hospital.
 After skin contact: Wash skin with plenty of water. Take off contaminated clothing. Contact a doctor.

Antimikrob

After ingestion: Rinse mouth and drink water. Do **not** induce vomiting. Contact a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: May cause drowsiness or dizziness. May cause burning in the nose and throat, cough and sore throat.

Eye: Causes severe burns. Risk of permanent eye damage.

Skin: Causes burning, redness, blistering and severe burns. Repeated exposure may cause skin dryness or cracking.

Ingestion: Causes severe burning in the oral cavity and throat, nausea, vomiting and possibly also burns with severe general effects (shock). May be fatal if swallowed and enters airways. Aspiration can cause chemical pneumonia.

4.3 Indication of any immediate medical attention and special treatment needed

-

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Can be extinguished using dry powder, foam or carbon dioxide.
Unsuitable extinguishing media: Do not use direct water jet.

5.2 Special hazards arising from the substance or mixture

In case of fire, toxic and corrosive gases may develop.

5.3 Advice for firefighters

Precautions according to the standard procedure for chemical fires. Use water **only** to cool down containers that are exposed to fire. Prevent the extinguishing water from contaminating surface water or the groundwater system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation of vapors. Avoid contact with eyes and skin. Use prescribed protective equipment, see section 8.

6.2 Environmental precautions

Do not allow discharge to enter sewers, watercourses or the ground.

6.3 Methods and material for containment and cleaning up

Contain/absorb spillages with suitable absorbent material such as sand or active clay. Rinse contaminated surface with water. Disposal of waste must be in accordance with national regulations.

6.4 Reference to other sections

See Section 8 for Exposure controls / personal protection and Section 13 for disposal considerations.

Antimikrob

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Use prescribed protective equipment, see section 8. Avoid prolonged or repeated contact with skin. Avoid inhalation of vapors. Do not reuse soiled clothing unless laundered.

7.2 Conditions for safe storage, including any incompatibilities

Containers must be kept tightly closed and sealed. Store in a cool and dry well-ventilated place. Protected from heat and direct sunlight. Keep out of reach of children.

7.3 Specific end use

See Section 1.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits according to National regulations

Name	CAS no.	TWA (8 h) ppm	TWA (8 h) mg/m ³	STEL (15 min) ppm	STEL (15 min) mg/m ³	Comment
Aromatics (Hydrocarbons, C10 aromatics, <1% naphthalene)	-		500			HSE's Advisory Committee on Toxic Substances (ACTS) recommendation on hydrocarbon solvent.

This information refers to Great Britain.¹ For other countries, refer to national legislation.

¹For Great Britain see: Health and Safety Executive EH40/2005 Workplace exposure limits (forth edition, published 2020). Published by the Health and Safety Executive.

Other information

Naphthalene: PNEC:
 Freshwater: 2,4 µg/L
 Activated sludge (STP): 2,9 mg/L
 Freshwater sediment: 67,2 µg/kg
 Soil: 53,3 µg/kg

8.2 Exposure controls

Appropriate technical measures

Ensure adequate ventilation.

Personal protection

Respiratory protection: Use respiratory protection when insufficient ventilation. Respiratory mask with filter A (brown).

Antimikrob

Eye/face protection:	Wear eye protection (safety glasses with side shields or full face shield) when risk of splashing.
Skin protection:	Wear protective gloves (nitrile or butyl) and protective clothing.

Environmental exposure control

Prevent discharges into drains.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Clear liquid
Odour:	Pungent
Odour treshold:	No information
pH:	Not available
Melting point / freezing point:	Not available
Initial boiling point and boiling range:	160-220 °C (ASTM D86)
Flash point:	>61 °C (ASTM D93)
Evaporation rate:	0,07 (n-butylacetat = 1)
Flammability (solid, gas):	Not applicable
Upper / lower flammability or explosive limits:	Upper: 7,0 Lower:0,6
Vapour pressure:	1 kPa (20 °C)
Vapour density:	>1 (air
Relative density:	0,801-0,951 (15 °C)
Solubility:	Insoluble in water
Partition coefficient, n-octanol/water:	Not available
Decomposition temperature:	>400 °C
Auto-ignition temperature:	No information
Viscosity, kinematic:	0,8 mm ² /S (40 °C)
Explosive properties:	No information
Oxidising properties:	Not applicable

9.2 Other information

None.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

The product is not reactive under normal conditions.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

None specific.

Antimikrob

10.5 Incompatible materials

The product may react with strong acids and bases.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11. TOXIKOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Not considered to be acutely toxic.

Hydrocarbons, C10 aromatics, <1% naphthalene	LD ₅₀ Oral Rat: >2000 mg/kg
	LD ₅₀ Dermal Rabbit: >2000 mg/kg
	LC ₅₀ Inhalation Rat: >20 mg/L/4h
Naphthalene	LD ₅₀ Oral Rat: 490 mg/kg
	LD ₅₀ Dermal Rabbit: >2500 mg/kg
	LC ₅₀ Inhalation Rat: >20 000 mg/L/4h
3,3'-methylenebis[5- methyloxazolidine]	LD ₅₀ Oral Rat: 900 mg/kg
	LD ₅₀ Dermal Rabbit: 1000 - 2000 mg/kg

Corrosive / irritating on the skin

Causes severe skin burns. Repeated and prolonged contact may appear dehydrating on the skin and cause skin cracking.

Serious eye damage / irritation

Causes severe eye damage.

Respiratory / skin sensitization

Not considered sensitizing.

Germ cell mutagenicity

Not considered to cause mutations in germ cells.

Carcinogenicity

Contains a component (naphthalene) that is suspected to cause cancer.

Toxic to reproduction

Not considered to be toxic to reproduction.

Specific organ toxicity-single exposure

May cause drowsiness or dizziness.

Specific organ toxicity-repeated exposure

No information available.

Aspiration Hazard

The product can cause chemical pneumonia if it is swallowed and enters airways.

Antimikrob

SECTION 12. ECOLOGICAL INFORMATION

The product is classified as hazardous to the environment (H411)

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Hydrocarbons, C10 aromatics, <1% naphthalene	LC50 Fish 96 h: 2-5 mg/L (Oncorhynchus mykiss) EC50 Daphnia 48 h: 3-10 mg/L (Daphnia magna) IC50 Algae 72 h: 1-3 mg/L (Pseudokirchnerella subcapita)
Naphthalene	LC50 Fish 96 h: 0,11 mg/L (Oncorhynchus mykiss)) EC50 Daphnia 48 h: 2,16 mg/L (Daphnia magna) IC50 Algae 72 h: 0,0001 mg/L
3,3'-methylenebis[5-methyloxazolidine]	LC50 Fish 96 h: 57,7 mg/L (Brachydanio rerio) EC50 Daphnia 48 h: 37,9 mg/L (Daphnia magna) IC50 Algae 72 h: 5,7 mg/L (Scenedesmus subspicatus)

12.2 Persistence and degradability

Hydrocarbons, C10 aromatics, <1% naphthalene: 58%, 28 d. Not rapidly biodegradable.

3,3'-methylenebis[5-methyloxazolidine]: Rapidly biodegradable.

12.3 Bioaccumulative potential

Hydrocarbons, C10 aromatics, <1% naphthalene	BCF = 159 (high bioaccumulative potential)
Naphthalene	Log Pow = 3,4-3,7 (potential for bioaccumulation)

12.4 Mobility in soil

The product is soluble in water and is considered to be mobile in soil.

12.5 Results of PBT och vPvB assessment

Based on available information, this mixture contains no substance that meets the PBT or vPvB criteria according to Annex XIII to Regulation (EC) No. 1907/2006 (REACH).

12.6 Other adverse effects

None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Product residues, spills etc. are classified as hazardous waste. Disposal, transportation, storage and handling of the waste must be in accordance with national regulations. Product waste must not be allowed to contaminate soil or water, or released into the environment.

Antimikrob

Classified as hazardous waste, with hazard hazard class HP 5 (Aspiration Toxicity), HP 8 (Corrosive), HP 14 (Ecotoxic)

Suggested waste code (EWC): 13 07 03*: other fuels (including mixtures)

Packaging

EWC-code: 15 01 02, Plastic packaging

EWC-code: 15 01 04, Metallic packaging

Packaging containing product residues that are not drip dry must be handled as hazardous waste and disposed of properly sealed.

EWC-code: 15 01 10, Packaging containing residues of or contaminated by hazardous substances.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number

UN1760

14.2 UN proper shipping name

Corrosive liquid, n.o.s (3,3'-Metylenbis[5-metyloxazolidin])

14.3 Transport hazard class

8

14.4 Packing group

III

14.5 Environmental hazards

Yes

14.6 Special precautions for user

Labels: 8, 9

Limited quantities: 5L (inner package), 30 kg per package

Excepted quantity: E1

Transport category: 3

Tunnel restriction code: (E)

EmS-code: F-A, S-B

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Antimikrob

SECTION 15. REGULATORY INFORMATION

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

This safety data sheet is prepared in accordance with the EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No 1907/2006 of 18 December 2006 concerning the registration, evaluation, authorization and restriction of chemicals (REACH) and Commission Regulation (EU) No 2015/830 of 28 May 2015 amending the European Parliament and Council Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH).

Regulations

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substance and mixtures (CLP).

Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste.

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products (BPR).

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Classification procedure

Test data is prioritized when classifying the product. When no test data are available the classification criteria in Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP) have been used.

Hazard statements in Section 3

H302	Harmful if swallowed
H312	Harmful in contact with skin.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations

BCF	Bio Concentration Factor
BOD5/COD	Biological Oxygen Demand 5 days/Chemical Oxygen demand
BOD (MITI)	Biological Oxygen Demand
DNEL	Derived No Effect Level
EC50	Effective Concentration (concentration that gives response in 50% of test subjects)
ECHA	European Chemical Agency
EmS	Emergency Schedule Information
IARC	International Agency for Research on Cancer
IC50	Inhibitory Concentration (concentration that shows inhibition in 50% of the test subjects)
LC50	Lethal Concentration (concentration causing the death of 50% of a group of test animals)
LD50	Lethal Dose (dose causing the death of 50% of a group of test animals)
Log Pow	Partition coefficient of octanol - water

Antimikrob

MITI	Ministry of International Trade and Industry, Japan
NOEC	No Observed Effect Concentration
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bio-accumulative and Toxic substance
PNEC	Predicted No Effect Concentration
STP	Sewage Treatment Plant
STEL	Short Term Exposure Limit
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	very Persistent and very Bioaccumulative

Advice on education

The user of this product should have training that is relevant to the properties of the product and relevant use.

References

Information from the supplier: SDS in Swedish
Classification & Labelling Inventory Database, ECHA.
Registered substances, ECHA.

Version description

The information has been modified under the following sections in the safety data sheet: 1-16

The safety data sheet is dated 11.12.2020 and replaces the version dated 15.07.2020.