

Material Safety Data Sheet

Completed 07-06-2017
Revision: (date) 03-11-2022
SDS version 1.1

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

1.1. Product Identifier

Trade Name: Akasil 155
Product- no.: -

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

Recommended uses:

Sealing agent.

Uses advised against:

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address:

A-Trading Fugekemi A/S
Bøgildsmindevej 5
9400 Nørresundby

Contact person and E-mail:

Lars Asp, mail@fugekemi.dk

The Safety data sheet is completed and validated by:

Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: KN

1.4. Emergency telephone number

NHS: 111

Use your national or local emergency number - See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The product is not subject to labelling under CLP Regulation No. 1272/2008.

2.2. Label elements

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Signal word:

-

Contains 2-butanone oxime and 3-aminopropyltriethoxysilane. May produce an allergic reaction. (EUH208)

2.3. Other hazards

The product contains substances which are suspected carcinogens.

Additional labelling:

Preservation agent, 2-octyl-2H-isothiazol-3-one [CAS-no.: 26530-20-1].

Additional warnings

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SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
2-Butanone oxime	616-014-00-0 / -	96-29-7	202-496-6	Acute Tox. 4;H312, Skin Sens. 1;H317, Eye Dam. 1;H318, Carc. 2;H351	<1	-
3-Aminopropyltriethoxysilane	- / -	919-30-2	213-048-4	Acute Tox. 4;H302, Skin Corr. 1B;H314, Skin Sens. 1B;H317	<1	-

See full text of H-phrases in section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

In case of discomfort: Seek fresh air.
Seek medical advice in case of persistent discomfort.

Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
Seek medical advice in case of discomfort.

Skin contact:

Wash the skin thoroughly with water and continue washing for a long time.
If skin irritation or rash occurs: Get medical advice/attention.

Eye contact:

Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Additional information:

When obtaining medical advice, show the safety data sheet or label.

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

May cause slight irritation to the skin and eyes.

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

Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Surrounding fire:
Extinguish with powder, foam, carbon dioxide or water mist.
Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.
Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment.
Avoid contact with skin and eyes.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers.
Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment.
Smoking, eating and drinking in the work room is not permitted nor is storage of tobacco, food and drinks permitted. Personal protective equipment must not be worn during meal breaks. Running water and eye wash facilities must be easily accessible. Wash hands before breaks, after visits to the toilet and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.
Keep in tightly closed original packaging.

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7.3. Specific end use(s)

See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth Edition 2020):

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DNEL/PNEC-values:

DNEL 2-Butanone oxime

	Workers	Consumers
Inhalation - Chronic Systemic	9 mg/m ³	2.7 mg/m ³
Inhalation - Chronic Local	3.33 mg/m ³	0.78 mg/kg bw/day
Dermal - Chronic Systemic	3.33 mg/m ³	0.052 mg/kg bw/day
Dermal - Acute Systemic	1.3 mg/kg bw/day	1,5 mg/kg bw/day
Oral - Chronic Systemic	-	0,052 mg/kg bw/day

DNEL 3-Aminopropyltriethoxysilane

	Workers	Consumers
Inhalation - Chronic Systemic	59 mg/m ³	17.4 mg/m ³
Inhalation - Acute Systemic	59 mg/m ³	17.4 mg/m ³
Dermal - Chronic Systemic	8.3 mg/kg bw/day	5 mg/kg bw/day
Dermal - Acute Systemic	8.3 mg/kg bw/day	5 mg/kg bw/day

PNEC 2-Butanone oxime

Fresh water	0.256 mg/L
Intermittent releases (Fresh water)	0.118 mg/L
Marine water	177 mg/L

PNEC 3-Aminopropyltriethoxysilane

Fresh water	0.33 mg/L
Intermittent releases (Fresh water)	3.3 mg/L
Marine water	0.033 mg/L
Soil	0.05 mg/kg soil dw

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wear the personal protective equipment specified below.

Wash hands after use.

Personal protective equipment:



Respiratory protection:

Not required.

Hand protection:

Wear protective gloves made of nitrile rubber.

Penetration time: > 480 min.

Eye/face protection:

Generally not required.

Skin protection:

Not required.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste
Colour:	Different
Odour:	Characteristic
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	>300
Flammability:	200 °C
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	>100
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm ² /s):	-
Solubility:	Not soluble in water
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	1.02 g/cm ³ , 20 °C
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information

VOC (Volatile organic compounds):	0,0 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

No data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
2-Butanone oxime	Oral	Rat	LD50	> 900 mg/kg bw
2-Butanone oxime	Inhalation	Rat	LC50/ 4 Hours	> 4.83 mg/L air (analytical)
2-Butanone oxime	Dermal	Rabbit	LD50	> 1000 mg/kg bw
3-Aminopropyltriethoxysilane	Oral	Rat	LD50	1.57 mL/kg bw
3-Aminopropyltriethoxysilane	Inhalation	Rat	LC50/ 4 Hours	> 5 ppm
3-Aminopropyltriethoxysilane	Dermal	Rabbit	LD50	4.29 mL/kg bw

Skin corrosion/irritation:

May cause slight irritation.

Serious eye damage/irritation:

May cause eye irritation.

Respiratory or skin sensitisation:

Contains 2-butanone oxime and 3-aminopropyltriethoxysilane. May produce an allergic reaction.

Germ cell mutagenicity:

Based on the existing data, the classification is not met.

Carcinogenicity:

The product contains 2-Butanone oxime which is suspected of causing cancer.

Reproductive toxicity:

Based on the existing data, the classification is not met.

STOT-single exposure:

Based on the existing data, the classification is not met.

STOT-repeated exposure:

Based on the existing data, the classification is not met.

Aspiration hazard:

Based on the existing data, the classification is not met.

11.2. Information on other hazards

Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
2-Butanone oxime	96 Hours	Fish	LC50	> 100 mg/L
2-Butanone oxime	48 Hours	Daphnia	EC50	ca. 201 mg/L
2-Butanone oxime	48 Hours	Algae	EC50	ca. 6.09 mg/L
3-Aminopropyltriethoxysilane	96 Hours	Fish	LC50	> 934 mg/L
3-Aminopropyltriethoxysilane	48 Hours	Daphnia	EC50	331 mg/L
3-Aminopropyltriethoxysilane	72 Hours	Algae	EC50	603 mg/L

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12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
2-Butanone oxime	Yes	OECD Guideline 302 B	18 Days ca. 70%
3-Aminopropyltriethoxysilane	Yes	EU Method C.4-A	28 Days 67%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
2-Butanone oxime	No	ca. 0.63
3-Aminopropyltriethoxysilane	No	1.7

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

Test data are not available.

12.7. Other adverse effects

None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is not classified as hazardous waste according to Waste Management. Disposal of spillage and waste via the municipal waste collection service with the specifications below is recommended.

EWC-Code	Description
08 04 10	Waste adhesives and sealants other than those mentioned in 08 04 09

Specific labelling:

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Contaminated packaging:

Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR, IMDG and IATA.

14.1 -14.4.

ADR

-

IMDG/IATA

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Maritime transport in bulk according to IMO instruments

Not relevant.

SECTION 15: Regulatory information

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

Sources:

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

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Additional labelling:

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Restrictions for application:

-

Demands for specific education:

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15.2. Chemical safety assessment

None.

SECTION 16: Other information

According to EU regulation 1907/2006 (REACH)

Other information:

Sources:

EC regulation 1907/2006 (REACH), with amendments.

EC Regulation 1272/2008 (CLP), with amendments.

EU regulation no. 276/2010

Directive 2000/532/EC

ECHA - The European Chemicals Agency

Full text of H-phrases as mentioned in section 2+3:

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H351	Suspected of causing cancer.
EUH 208	Contains 2-butanone oxime and 3-aminopropyltriethoxysilane. May produce an allergic reaction.
EUH 210	Safety data sheet available on request.

Classification according to Regulation (EC) Nr. 1272/2008:

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Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:

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This material safety data sheet replaces version:

1.0