

**Safety data sheet
according to 1907/2006/EC, Article 31**

Printing date 20.09.2022

Version number 12

Revision: 20.09.2022

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

· **1.1 Product identifier**

· Trade name **ALGOREX Silicon-Entferner**

· UFI: NA20-U0FA-000S-PFW7

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

No further relevant information available.

· **Application of the substance / the mixture** Cleaning material/ Detergent

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

· **Manufacturer/Supplier:**

MEYER-CHEMIE GmbH & Co KG

Postfach 225

32122 Enger

Telefon (05223) 92590

Telefax (05223) 15330

· **Informing department:** Abt. Produktsicherheit, Email: sdb@meyer-chemie.de

· **1.4 Emergency telephone number:**

Beratungsstelle für Vergiftungserscheinungen, Berlin Tel.: (030) 19240

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS02 GHS07 GHS08 GHS09

· **Signal word** Danger

· **Hazard-determining components of labelling:**

Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclics, <2% aromatics

· **Hazard statements**

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P243 Take action to prevent static discharges.

P261 Avoid breathing mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

(Contd. on page 2)

D/E

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 20.09.2022

Version number 12

Revision: 20.09.2022

Trade name ALGOREX Silicon-Entferner

(Contd. of page 1)

- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
- P391 Collect spillage.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local and national regulations.

- **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.
 Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**

- **Description:** Mixture of the substances listed below with harmless additions.

- **Dangerous components:**

EC number: 920-750-0 Reg.nr.: 01-2119473851-33	Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclics, <2% aromatics ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	50-100%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	≥2.5-<10%

- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aliphatic hydrocarbons	≥30%
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- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** A person vomiting while lying on their back should be turned onto their side.
- **4.2 Most important symptoms and effects, both acute and delayed**
 May be fatal if swallowed and enters airways.
 May cause drowsiness or dizziness.
 Repeated exposure may cause skin dryness or cracking.

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

No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**

- **Suitable extinguishing agents** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

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

No further relevant information available.

- **5.3 Advice for firefighters**

- **Protective equipment:** Put on breathing apparatus.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

- **6.2 Environmental precautions:**

Do not allow product to reach sewage system or water bodies.
 Prevent material from reaching sewage system, holes and cellars.

(Contd. on page 3)

D/E

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 20.09.2022

Version number 12

Revision: 20.09.2022

Trade name **ALGOREX Silicon-Entferner**

(Contd. of page 2)

- **6.3 Methods and material for containment and cleaning up:**
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 Ensure adequate ventilation.
 Do not flush with water or aqueous cleansing agents
- **6.4 Reference to other sections**
 See Section 7 for information on safe handling
 See Section 8 for information on personal protection equipment.
 See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
 Keep containers tightly sealed.
 Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
 Keep ignition sources away - Do not smoke.
 Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
 Prevent any penetration into the ground.
 Store in cool location.
- **Information about storage in one common storage facility:** TRGS 510
- **Further information about storage conditions:** Protect from heat and direct sunlight.
- **Storage class 3**
- **7.3 Specific end use(s)** Cleaning material/ Detergent

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with critical values that require monitoring at the workplace:**

Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclics, <2% aromatics

MAK (Germany)	vgl. Abschn. Xb
TRGS 900 AGW (Germany)	Long-term value: 600 mg/m ³ Gruppengrenzwert C7-C9 Aliphaten

67-64-1 acetone

AGW (Germany)	Long-term value: 1200 mg/m ³ , 500 ppm 2(I);AGS, DFG, EU, Y
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- **DNELs**

Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclics, <2% aromatics

Oral	population long time exposure, systemic	699 mg/kg bw/day
Dermal	population long time exposure, systemic	699 mg/kg bw/day
	worker long time exposure, systemic	773 mg/kg bw/day
Inhalative	population long time exposure, systemic	608 mg/m ³
	worker long time exposure, systemic	2,035 mg/m ³

67-64-1 acetone

Oral	population long time exposure, systemic	62 mg/kg bw/day
Dermal	population long time exposure, systemic	62 mg/kg bw/day
	worker long time exposure, systemic	186 mg/kg bw/day
Inhalative	population long time exposure, systemic	200 mg/m ³
	worker long time exposure, systemic	1,210 mg/m ³
	worker short time exposure, local effects	2,420 mg/m ³

- **Ingredients with biological limit values:**

67-64-1 acetone

BGW (Germany)	80 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
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- **Additional information:** The lists that were valid during the compilation were used as basis.

(Contd. on page 4)

D/E

**Safety data sheet
according to 1907/2006/EC, Article 31**

Printing date 20.09.2022

Version number 12

Revision: 20.09.2022

Trade name **ALGOREX Silicon-Entferner**

(Contd. of page 3)

- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
Wash hands during breaks and at the end of the work.
- **Breathing equipment:**
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **Protection of hands:** Solvent resistant gloves
- **Material of gloves**
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.4 mm
- **Penetration time of glove material**
Value for the permeation: Level ≥ 480 min
The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
- **Eye protection:** Tightly sealed safety glasses (EN 166)

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Fluid
Colour:	Colourless
Smell:	Characteristic
- **pH-value:** inapplicable
- **Change in condition**

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	100-140 °C
- **Flash point:** -1 °C
- **Ignition temperature:** 250 °C
- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.
- **Critical values for explosion:**

Lower:	0.8 Vol %
Upper:	6.5 Vol %
- **Steam pressure at 20 °C:** 45 hPa
- **Density at 20 °C** 0.725 g/cm³
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix
- **Viscosity:**

dynamic:	Not determined.
kinematic:	Not determined.
- **Solvent content:**

Organic solvents:	100.0 %
Water:	0.0 %
- **Solids content:** 0.0 %
- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.

(Contd. on page 5)

D/E

**Safety data sheet
according to 1907/2006/EC, Article 31**

Printing date 20.09.2022

Version number 12

Revision: 20.09.2022

Trade name **ALGOREX Silicon-Entferner**

(Contd. of page 4)

- **10.6 Hazardous decomposition products:** None

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclics, <2% aromatics

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	3,000 mg/kg (rbt)
Inhalative	LC50/4 h	23 mg/l (rat)

67-64-1 acetone

Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	>15,800 mg/kg (rbt)
Inhalative	LC50/4 h	76 mg/l (rat)

- **Primary irritant effect:**

- **Skin corrosion/irritation** Repeated exposure may cause skin dryness or cracking.

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

- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

- **Additional toxicological information:**

- **CMR effects (carcinogenicity, mutagenicity and toxicity 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**

May cause drowsiness or dizziness.

- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

- **Aspiration hazard**

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

Toxic to aquatic life with long lasting effects.

Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclics, <2% aromatics

EC50 / 48 h	1-10 mg/l (aqu)
LC50 / 96 h	1-10 mg/l (fis)
NOEC	0.1-1 mg/l (fis)

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- **Ecotoxicological effects:**

- **Remark:** Toxic for fish

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

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

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Hand over to disposers of hazardous waste.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 6)

D/E

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 20.09.2022

Version number 12

Revision: 20.09.2022

Trade name **ALGOREX Silicon-Entferner**

(Contd. of page 5)

· **European waste catalogue**

07 01 04* other organic solvents, washing liquids and mother liquors

· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information**· **14.1 UN-Number**· **ADR, IMDG, IATA**

UN1263

· **14.2 UN proper shipping name**· **ADR**1263 PAINT RELATED MATERIAL,
ENVIRONMENTALLY HAZARDOUS
PAINT RELATED MATERIAL, MARINE
POLLUTANT· **IMDG**· **IATA**· **14.3 Transport hazard class(es)**· **ADR, IMDG**· **Class**

3

· **Label**

3

· **IATA**· **Class**

3

· **Label**

3

· **14.4 Packing group**· **ADR, IMDG, IATA**

II

· **14.5 Environmental hazards:**Product contains environmentally hazardous
substances: SOLVENT NAPHTHA· **Marine pollutant:**

Symbol (fish and tree)

· **Special marking (ADR):**

Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning:

· **Kemler Number:**

33

· **EMS Number:**

F-E, S-E

· **Stowage Category**

B

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

Not applicable.

· **Transport/Additional information:**· **ADR**· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **Transport category**

2

· **Tunnel restriction code**

D/E

· **Remarks:**Packed bottles are corresponding to ADR, app. A,
chapt. 3.4 (limited quantity).· **IMDG**· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":**UN 1263 PAINT RELATED MATERIAL, 3, II,
ENVIRONMENTALLY HAZARDOUS

D/E

(Contd. on page 7)

**Safety data sheet
according to 1907/2006/EC, Article 31**

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Trade name **ALGOREX Silicon-Entferner**

(Contd. of page 6)

SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**

· **Seveso category**

Hazardous to the Aquatic Environment

FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

67-64-1	acetone
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· **Regulation (EC) No 273/2004 on drug precursors**

67-64-1	acetone	3
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· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

67-64-1	acetone	3
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· **National regulations**

· **Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

· **Technical instructions (air):**

Class	Share in %
NK	100,0

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Other regulations, limitations and prohibitive regulations**

· **VOC-content according to RL 2004/42/EG** 750,0 g/l

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

· **Contact:** Dr. Thomas Meyer

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· *** Data compared to the previous version altered.**