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...BY HEISS DEVELOPMENT

Safety Data Sheet Thix (thixotropic agent – Silicone thickening agent)

Date: 21.11. 2025

Product: Thix (thixotropic agent – Silicone thickening agent)

Version:1.0

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

1.1. Product identifier Mixture identification:

Designation: Thix (Thixotropic agent – Silicone thickening agent)

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

Uses: Thixotropic agent for thickening liquid silicone

1.3. Details of the supplier of the safety data sheet

Company Name: Heiss Development

Address: Pramvej 7, 8940, Randers Sv

Phone Number: +45 60171861

E-mail: info@makemake.dk

Responsible person for the safety data sheet: info@makemake.dk

1.4. Emergency Hotline

Poison Center (Denmark): +45 82 12 12 12, 24-hour service, 7 days a week

International emergency number: +49 180 2273-112

SECTION 2: Hazard identification



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2.1. Classification of the substance or mixture

According to Regulation (EC) No. 1272/2008 (CLP):

Hazardous substance.

2.2. Label elements

Hazard pictograms:



Danger:

Hazard statements:

- **H315:** Causes skin irritation.
- **H318:** Causes serious eye damage.
- **H319:** Causes serious eye irritation.

Precautionary statements:

- **P305 + P351 + P338:** "IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **P280:** "Wear eye/face protection
- **P301 + P312 + P330:** "IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

Special regulations: None

2.3. Other hazards

Inhalation of aerosol spray may be harmful to health. No PBT or vPvB substances or endocrine-disrupting substances at concentrations $\geq 0.1\%$.

SECTION 3: Composition/information on ingredients



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3.1. Substances

Chemical composition:
Polydimethylsiloxane, modified

3.2. Mixtures

Hazardous ingredients according to the CLP Regulation:

CAS-no.	Substance	Content %	Classification
106214-80-6	Poly(3-(2-aminoethyl)aminopropyl)methylsiloxane, hydroxy-terminated	<10.0	315-318
119299-06-8	Polydimethylsiloxane, reaction product with N-(3-(trimethoxysilyl)propyl)cyclohexanamine	<5.0	315-318
1121950-97-7	Cyclo(3((2-aminoethyl)amino)propyl)methylsiloxane	<5.0	H319

If the total of substances is less than 100%, the material additionally contains substances that are assessed as non-hazardous or below their threshold limits.

H-statement	Description
H315, H318	Causes skin irritation. Causes serious eye damage
H315, H318	Causes skin irritation. Causes serious eye damage
H319	Causes serious eye irritation



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SECTION 4: First aid measures

4.1. Description of first aid measures

General: Move the person to a safe place. Observe general first aid precautions. Seek medical advice in case of contact with the substance.

Skin contact: Remove contaminated or soaked clothing. Wash immediately with plenty of water and soap for 10–15 minutes. In severe cases, use an emergency shower immediately. Seek medical attention and clearly identify the substance.

Eye contact: Rinse immediately and thoroughly with water for 10–15 minutes. Keep the eyelid wide open to rinse the entire eye surface and eyelids. Seek medical attention immediately and clearly identify the substance. Continue rinsing the eye during transport to medical care.

Ingestion: If the person is conscious, give several small portions of water to drink. Do not induce vomiting. Seek medical attention and clearly identify the substance.

Inhalation: Move the affected person into fresh air, allow them to rest, and keep them warm and calm. Seek medical attention and clearly identify the substance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use water spray (not jet), dry powder, foam, carbon dioxide.

Extinguishing media not to be used: Water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products: nitrogen gases.

5.3. Advice for firefighters

Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures



For untrained personnel: Use personal protective equipment. Avoid contact with eyes and skin. Avoid inhalation of mists and vapors. In case of spilled material, be aware of slip hazards.

For emergency responders: Use personal protective equipment.

6.2. Environmental precautions

Prevent penetration into soil and groundwater. Collect contaminated wash water with suitable material (e.g., soil) and dispose of it properly. Store contaminated water/firefighting water. Dispose of in properly labeled containers.

6.3. Methods and material for containment and cleaning up

Absorb with a liquid-binding material such as diatomaceous earth and dispose of according to local regulations. Collect large amounts and pump into suitable containers. Clean the remaining slippery surface with detergent/soapy water or another biodegradable cleaning agent.

SECTION 7: Handling and storage

Stir thoroughly before use.

7.1. Precautions for safe handling

Avoid the formation of aerosols. If aerosols are formed, special precautions are necessary (ventilation, respiratory protection). Avoid contact with acids. Spilled material increases the risk of slipping. Observe general rules for fire prevention.

7.2. Conditions for safe storage, including any incompatibilities

Protect from light. Keep container tightly closed and store in a well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Maximum airborne concentrations in the workplace



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CAS no.	Substance	Type	mg/m3	ppm	Dust Fraction	Fiber/m3
	Aerosol – respirabel fraction	AGW	10.0			

The aerosol limit value specified here is a recommendation in case aerosols are generated during work.

8.2. Exposure controls

General protection and hygiene measures: Avoid contact with eyes and skin. Do not eat, drink, or smoke while handling the material. Do not inhale gases, vapors, or aerosols.

Eye protection: Wear tightly fitting safety goggles (EN 166).

Skin protection: Wear protective clothing and safety shoes (EN 14605).

Hand protection: Wear protective gloves (EN 374).

Respiratory protection: According to instructions: Not required. In case of aerosol or mist formation, use respiratory protection with a combination filter A/P2.

SECTION 9: Physical and chemical properties

Property	Value
Physical state	Liquid
Color	Clear
Odor	Ammonia-like
Melting point	Not determined
Boiling point	Not determined
Flash point	264 °C
Ignition temperature	420 °C



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Property	Value
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapor pressure	< 10 hPa at 50 °C
Vapor pressure	< 3 hPa at 20 °C
Density	1,01 g/cm ³ at 25 °C
Water solubility	Practically insoluble
pH-value	Not applicable
Viscosity	Approx. 300 mPa at > 200 °C
Other information:	
Thermal decomposition	Decomposition begins at > 200 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions are known when stored and handled according to standard industrial practices.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reacts with: acids. Reaction leads to formation of: heat.

10.4. Conditions to avoid

None known



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10.5. Incompatible materials

Reacts with: acids. Reaction leads to the generation of heat.

10.6. Hazardous decomposition products

No hazardous reactions are known when stored and handled according to standard industrial practices. Measurements have shown the formation of a small amount of benzene at temperatures above 180°C. Measurements have shown the formation of small amounts of formaldehyde at temperatures above 150°C through oxidation.

SECTION 11: Toxicological information

Note the hazard indications and safety advice (H- and P-statements) in section 15.

11.1. Information on toxicological effects

Specific symptoms observed in animal studies:

By-product: Low-molecular-weight cyclic siloxanes containing at least one silicon atom bearing a methyl and a phenyl group exhibit estrogenic effects in animal studies.

11.2. Additional information:

Aerosols of amino-functional siloxanes (from organic solutions or aqueous emulsions) may be harmful to health if inhaled, as shown in animal studies.

11.3. Further toxicological information

Classification based on ingredients: Causes eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

None known.



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Effect in wastewater treatment plants (bacterial toxicity: inhibition of respiration-/reproduction): Do not introduce large quantities of the substance into treatment plants.

12.2. Persistence and degradability

Not biodegradable biologically

Additional information:

Removal by adsorption to activated sludge.

12.3. Bioaccumulative potential

-

12.4. Mobility in soil

Adsorbed by liquid particles. Separation by sedimentation.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in accordance with regulations by incineration in special waste incinerators.

Follow local and national regulations.

Non-cleaned containers:

Recommendation:

Empty containers completely (no drops, powder residues, scrape carefully). Containers may be reusable. Follow local and national regulations.

SECTION 14: Transport information

14.1. UN number

Not classified as hazardous for transport

14.2. UN proper shipping name



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Not available

14.3. Transport hazard class(es)

Not available

14.4. Packing group

Not available

14.5. Environmental hazards

None

SECTION 15: Regulatory information

15.1. Applicable EU legislation

- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EC) No. 1272/2008 (CLP)

H-statements: H318: Causes serious eye damage."

P-statements: P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P280: Wear eye/face protection.

P301 + P312 + P330: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth."

15.2. Chemical safety assessment

No assessment has been carried out.

SECTION 16: Other information



This information is based on current knowledge and applies only to the specific product. The user must verify the suitability of the information for specific purposes. This datasheet replaces previous versions.

