

SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006.

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

1.1. Product identifier:

Ultrasound paste – special.

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

Material used for ultrasound testing.

1.3. Details of the supplier of the safety data sheet:

FORCE Technology

Østre Gjesingvej 7

Phone no.: +45 43 26 70 00/ +45 76 10 06 50

DK-6715 Esbjerg

Responsible person for the safety data sheet (e-mail): info@forcetechnology.dk

1.4. Emergency telephone:

UK: + 44 844 892 0111 (24 hrs)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Alttox a/s has concluded the mixture is not to be classified according to CLP (1272/2008).

2.2. Label elements:

None.

2.3. Other hazards: Contain sodium hydroxide which may be corrosive to metals.

PBT/vPvB: The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures: Aqueous solution with polymer, <1% 2-phenoxyethanol (CAS 122-99-6), <0,1% 3-(2-ethylhexyloxy)propane-1,2-diol) (CAS 70445-33-9) and the following:

% w/w	Substance name	CAS	EC-no.	Index-no.	REACH reg.no.	Classification	Note
<0,1	Sodium hydroxide	1310-73-2	215-185-5	011-002-00-6	-	EC: C;R35 CLP: Skin Corr. 1A;H314 Eye Dam. 1;H318	1

1) The substance has an exposure limit in EH40/2005 – see section 8.

Wording of R-phrases and hazard statements – see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures:

Inhalation: Remove to fresh air. Keep at rest. In case of discomfort: Seek medical advice.

Skin contact: Remove contaminated clothing and wash with soap and water. If irritation persists: Seek medical advice.

Eye contact: Flush with water or physiological salt water, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: Seek medical advice.

Ingestion: Rinse mouth and drink plenty of water. Keep at rest. In case of discomfort: Seek medical advice.

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

Possible skin and eye irritation.

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

Show this safety data sheet to a physician or emergency ward.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media:

Carbon dioxide, dry chemical, sand, foam or water fog. Do not use water jet.

5.2. Special hazards arising from the substance or mixture:

Do not breathe smoke fumes. In case of fire, the product may form hazardous decomposition products.

5.3. Advice for firefighters:

When extinguishing surrounding fires use breathing apparatus with an independent source of air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment - see section 8.

6.2. Environmental precautions:

Do not empty into drains – see section 12. Inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up:

Sweep up and place in a suitable container for disposal. Keep away from acids. Sodium hydroxide may attack rubber, painted surfaces and certain types of plastic. Sodium hydroxide and their solutions should not be stored in galvanized containers or containers with bung of light metal, since this could lead to the formation of explosive hydrogen gas. Flush area of spill with plenty of water. Further handling of spillage - see section 13.

6.4. Reference to other sections:

See above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:

Avoid contact with skin, eyes and clothing. Wash with water and soap after work.

7.2. Conditions for safe storage, including any incompatibilities:

Keep original container tightly closed at a dry and ventilated area.

7.3. Specific end use(s):

See section 1.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters:

		8-hour TWA	15-min STEL
Occupational exposure limits: (EH40/2005 – published 2011)	Sodium hydroxide	-	2 mg/m ³
DNEL/PNEC:	No CSR.		

8.2. Exposure controls:

Appropriate engineering controls: None particular.

Personal protective equipment:

Respiratory protection: Normally not necessary.

Skin protection: Wear protective gloves of e.g. nitrile or butyl rubber (EN374). There is no available data on breakthrough time for all present substances, therefore it is recommended to change the glove if spilled on. Wear full protective clothing when there is a risk of repeated or prolonged skin contact.

Eye protection: Use safety goggles (EN166) when there is a risk of eye contact.

Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Appearance:	Viscous liquid.
Odour:	Not determined
Odour threshold:	Not determined
pH:	Not determined
Melting point/freezing point (°C):	Not determined
Initial boiling point and boiling range (°C):	Not determined
Flash point (°C):	>100
Evaporation rate:	Not determined
Flammability (solid, gas):	Not relevant
Upper/lower flammability or explosive limits (vol-%):	Not relevant
Vapour pressure:	Not determined
Relative density:	Not determined
Solubility (in water):	Fully soluble.
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature (°C):	Not relevant
Decomposition temperature (°C):	Not determined
Viscosity:	Not determined

9.2. Other information:

None relevant.

SECTION 10: Stability and reactivity

10.1. Reactivity:

No available information.

10.2. Chemical stability:

Stable under normal conditions (see section 7).

10.3. Possibility of hazardous reactions:

None known.

10.4. Conditions to avoid:

None known.

10.5. Incompatible materials:

Keep away from acids. Sodium hydroxide may attack rubber, painted surfaces and certain types of plastic. Sodium hydroxide and their solutions should not be stored in galvanized containers or containers with bung of light metal, since this could lead to the formation of explosive hydrogen gas.

10.6. Hazardous decomposition products:

When heated to high temperatures (decomposition) it emits toxic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Hazard class	Data (Sodium hydroxide)	Test	Reference
Acute toxicity:			
Inhalation	No data.	-	-
Dermal	No data.	-	-
Oral	LD ₅₀ (rat) = 288 mg/kg	No information	RTECS
Corrosion/irritation:	Severe corrosion to eyes and skin, rodents	No information	IUCLID
Sensitization:	No data.	-	-
CMR:	No data	-	-

Information on likely routes of exposure: Skin, lungs and gastrointestinal tract.

Symptoms:

Inhalation: May cause irritation to the upper respiratory tract.

Skin: May cause irritation.

Eyes: May cause irritation with redness and pain.

Ingestion: May irritate the mucous membranes in mouth, throat and stomach.

Chronic effects: None known.

SECTION 12: Ecological information

12.1. Toxicity:

Aquatic	Data (Sodium hydroxide)	Test (Media)	Reference
Fish	LC ₅₀ (Oncorhynchus mykiss, 96h) = 45,5 mg/l	Static (FW)	IUCLID
Crustacean	EC ₅₀ (Ceriodaphnia dubia, 48h) = 40 mg/l	No info (FW)	EPA Ecotox
Algae	No data	-	-

12.2. Persistence and degradability:

Methods for determining the biodegradability are not applicable to inorganic substances.

Sodium hydroxide is dissociated in water.

12.3. Bioaccumulative potential:

Sodium hydroxide: Log K_{ow} < 0 – No significant bioaccumulation is expected.

12.4. Mobility in soil:

Sodium hydroxide is soluble in water and will, when dissolved in water, be broken down into sodium- and hydroxide-ions, which is expected to have high mobility in soil.

12.5. Results of PBT and vPvB assessment:

The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

12.6. Other adverse effects:

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

Disposal should be according to local, state or national legislation. Dispose through authority facilities or pass to a chemical disposal company.

EWC-Code:

16 02 09 (residues)

15 02 03 (absorbants contaminated with the product)

SECTION 14: Transport information

Not dangerous goods according to ADR/RID/IMDG/IATA.

14.1. UN-no.: None.

14.2. UN proper shipping name: None.

14.3. Transport hazard class(es): None.

14.4. Packing group: None.

14.5. Environmental hazards: None.

14.6. Special precautions for user: None.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not relevant.

SECTION 15: Regulatory information

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

None.

15.2. Chemical Safety Assessment:

No CSR.

SECTION 16: Other information

R-phrases and hazard statement mentioned in section 2 and 3:

R 35: Causes severe burns.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

Abbreviations:

CMR = Carcinogenicity, mutagenicity og reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

EC₅₀ = Effect Concentration 50 %

ECB = European Chemicals Bureau.

ECHA = European Chemicals Agency

FW = Fresh Water

LC₅₀ = Lethal Concentration 50 %

LD₅₀ = Lethal Dose 50 %

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

Litterature:

EPA Ecotox = US Environmental Protection Agency

IUCLID = International Uniform Chemical Database Information

RTECS = Register of Toxic Effects of Chemical Substances

Training advice:

No special training is required. However, the user should be well instructed in the execution of the task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Other information:

SDS made from information made available to Alttox on the 27th of October 2015.

Changes since the previous edition:

Not relevant.

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