SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006 (REACH)

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ECHOTRACE Ultraschall - Koppelmittel / Ultrasonic coupling medium

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

1.1. Product identifier

Trade name/designation:
ECHOTRACE Ultraschall - Koppelmittel / Ultrasonic coupling medium

Article No.: 9000

Additional information:
E-mail (competent person): goerz@karldeutsch.de

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

Use of the substance/mixture:
Industrial: Observe technical data sheet.
Do not use for private purposes (household).

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):
KARL DEUTSCH Prüf- und Messgerätebau GmbH + Co KG
Otto-Hausmann-Ring 101
D-42115 Wuppertal
Germany

Telephone: (+49-202) 71 92 - 264, (+157) 595 036 55
Telefax: (+49-202) 71 92-148
E-mail: goerz@karldeutsch.de
Website: www.karldeutsch.de

1.4. Emergency telephone number

Giftnotrufzentrale Göttingen, 24h: 0049 551 19 240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
According to EC directives or the corresponding national regulations the product does not have to be labelled.

2.3. Other hazards

Adverse human health effects and symptoms:
Frequently or prolonged contact with skin may cause dermal irritation.

SECTION 3: Composition / information on ingredients

3.2. Mixtures
No data available
SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
Remove contaminated clothing immediately and dispose of safely. In all cases of doubt, or when symptoms persist, seek medical advice. If unconscious place in recovery position and seek medical advice.

Following inhalation:
Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

In case of skin contact:
After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact:
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion:
Do NOT induce vomiting. Rinse mouth thoroughly with water. Call a physician immediately.

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

Observe risk of aspiration if vomiting occurs.

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Carbon dioxide (CO2), alcohol resistant foam, Extinguishing powder

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2).
Thermal decomposition can lead to the escape of irritating gases and vapours.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4. Additional information

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:
Wear personal protection equipment. Provide adequate ventilation.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:
Self-contained respirator (breathing apparatus) (DIN EN 133)

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

For containment:
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
ECHOTRACE Ultraschall - Koppelmittel / Ultrasonic coupling medium

6.4. Reference to other sections
No data available

6.5. Additional information
No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Protective measures
Advices on safe handling:
Do not breathe gas/vapour/aerosol. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels:
Ensure adequate ventilation of the storage area.
Storage class: 12 – non-combustible liquids that cannot be assigned to any of the above storage classes
Further information on storage conditions:
Keep only in the original container in a cool, well-ventilated place.

7.3. Specific end use(s)
No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No data available

8.2. Exposure controls
8.2.1. Appropriate engineering controls
No data available

8.2.2. Personal protection equipment
Eye/face protection:
Suitable eye protection: Eye glasses with side protection DIN EN 166
Skin protection:
Suitable gloves type: Butyl caoutchouc (butyl rubber), PVC (Polyvinyl chloride), NR (natural rubber, natural latex) DIN EN 374
Thickness of the glove material: 0,4 mm
Breakthrough time (maximum wearing time): > 480 min
Respiratory protection:
With correct and proper use, and under normal conditions, breathing protection is not required.
Other protection measures:
Protective clothing: Protective apron
General health and safety measures: When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream.

8.2.3. Environmental exposure controls
No data available

8.3. Additional information
No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Appearance
Physical state: Gel
Odour: characteristic
Colour: green
ECHOTRACE Ultraschall - Koppelmittel / Ultrasonic coupling medium

Safety relevant basis data

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<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Remark</th>
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<tr>
<td>pH</td>
<td>≈ 8.8</td>
<td>20 °C, DIN 19261, 5% in water</td>
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<tr>
<td>Melting point</td>
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<td></td>
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<tr>
<td>Freezing point</td>
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<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
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<tr>
<td>Decomposition temperature (°C)</td>
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</tr>
<tr>
<td>Flash point</td>
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<tr>
<td>Evaporation rate</td>
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</tr>
<tr>
<td>Ignition temperature in °C</td>
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<td>Upper/lower flammability or explosive limits</td>
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<td>Vapour pressure</td>
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<td>Vapour density</td>
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<tr>
<td>Density</td>
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<td>Bulk density</td>
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<td>Water solubility (g/L)</td>
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<td>Partition coefficient: n-octanol/water</td>
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<td>Kinematic viscosity</td>
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</table>

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
No risks worthy of mention.

10.2. Chemical stability
Keep away from heat.

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
No data available

10.5. Incompatible materials
Oxidising agent, strong

10.6. Hazardous decomposition products
Hazardous decomposition products: Gases/vapours, corrosive

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Skin corrosion/irritation:
Prolonged/repetitive skin contact may cause skin defattening or dermatitis.

SECTION 12: Ecological information

12.1. Toxicity
No data available

12.2. Persistence and degradability
No data available
12.3. Bioaccumulative potential
No data available

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment
No data available

12.6. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Consult the appropriate local waste disposal expert about waste disposal. Consult the appropriate authorities about waste disposal.

Waste treatment options

Appropriate disposal / Product:
Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:
Consult the appropriate local waste disposal expert about waste disposal.

13.2. Additional information
No data available

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.
not relevant

14.2. UN proper shipping name
not relevant

14.3. Transport hazard class(es)
not relevant

14.4. Packing group
not relevant

14.5. Environmental hazards
not relevant

14.6. Special precautions for user
not relevant

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

15.1.1. EU legislation
No data available
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15.1.2. National regulations

[DE] National regulations

Restrictions of occupation
22 JArbSchG. Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (WGK)
WGK:
1 - schwach wassergefährdend

Source:
Classification according to VwVwS, Annex 4.

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

10.4. Conditions to avoid

16.2. Abbreviations and acronyms

ADR: Accord européen sur le transport 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)
VOC: Volatile Organic Compounds (USA, EU)

16.3. Key literature references and sources for data

GESTIS, URL: http://gestis.itrust.de/nxt/gateway.dll?f=templates&fn=default.htm&vid=gestisdeu:sdbdeu
ECHA Database, URL: http://echa.europa.eu/de/information-on-chemicals
ECOTOX, URL: https://cfpub.epa.gov/ecotox/

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

No data available

16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.