SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name: EUKITT
Cat. No. 41000004
Container size: 500 ml

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

Application: Adhesive.
Uses advised against: No specific uses advised against are identified. (*)

Details of the supplier of the safety data sheet

Supplier: Struers ApS
Pederstrupvej 84
DK-2750 Ballerup
Tel:+45 44 600 800

Responsible for material safety data sheet authoring: Responsible for material safety data sheet authoring: DHI
Any questions to the contents of this material safety data sheet should be sent to:
struers@struers.dk

Emergency telephone number

National Capital Poison Center: 1-800-222-1222

Infotrac:
1-800-535-5053
Struers US:
1-440-871-0071

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA 2012:
Flammable Liquid Category 3
Acute Dermal Toxicity Category 4
Acute Inhalation Toxicity Category 4
Skin Irritant Category 2
Eye irritant Category 2A
Category 3 Target organ toxicant, Single Exposure (respiratory tract irritation)
Category 2 Target organ toxicant, Repeated Exposure

Label elements
SAFETY DATA SHEET

Product name: EUKITT
Revision Date: 2020-01-06
Document No.: M0035

Warning

H26 Flammable liquid and vapour.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical advice/attention if you feel unwell.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical, ventilating and lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash skin thoroughly after handling.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use alcohol resistant foam, carbon dioxide or dry powder to extinguish.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local regulations.
Other hazards
Contains n-Butyl methacrylate, Methyl methacrylate. May produce an allergic reaction.
Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. The product contains a substance which has a photochemical ozone creation potential.
PBT/vPvB: No information available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures
The product contains: organic solvent and acrylic resin.
<table>
<thead>
<tr>
<th>%</th>
<th>CAS-No.</th>
<th>EC No.</th>
<th>REACH Reg. No:</th>
<th>Chemical name</th>
<th>Hazard classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>60-100</td>
<td>1330-20-7</td>
<td>215-535-7</td>
<td>01-2119488216-32-xxxx</td>
<td>Xylene</td>
<td>Flammable Liquid Category 3</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute Dermal Toxicity Category 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute Inhalation Toxicity Category 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Irritant Category 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye irritant Category 2A</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Target organ toxicant, Single Exposure (respiratory tract irritation)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Target organ toxicant, Repeated Exposure</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aspiration Toxicity Category 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sensitizer Category 1</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>100-41-4</td>
<td>202-849-4</td>
<td>01-2119489370-35-xxxx</td>
<td>Ethylbenzene</td>
<td>Flammable Liquid Category 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute Inhalation Toxicity Category 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Catgory 2 Target organ toxicant, Repeated Exposure</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aspiration Toxicity Category 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic Toxicity Category 3</td>
<td></td>
</tr>
<tr>
<td>0.1-&lt;1</td>
<td>97-88-1</td>
<td>202-615-1</td>
<td>-</td>
<td>n-Butyl methacrylate</td>
<td>Flammable Liquid Category 3</td>
<td>D</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye irritant Category 2A</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Category 3 Target organ toxicant, Single Exposure (respiratory tract irritation)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Irritant Category 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sensitizer Category 1</td>
<td></td>
</tr>
<tr>
<td>0.1-&lt;1</td>
<td>80-62-6</td>
<td>201-297-1</td>
<td>-</td>
<td>Methyl methacrylate</td>
<td>Flammable Liquid Category 2</td>
<td>D</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Category 3 Target organ toxicant, Single Exposure (respiratory tract irritation)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Irritant Category 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sensitizer Category 1</td>
<td></td>
</tr>
</tbody>
</table>
SECTION 4: FIRST AID MEASURES

Description of first aid measures

Burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

Inhalation: Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring these instructions.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. In case of rashes, wounds or other skin disorders: Seek medical attention and bring along these instructions.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards: When heated and in case of fire, harmful vapors/gases may be formed.

Advice for firefighters

Protective equipment for firefighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.
SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:
Avoid inhalation of vapors and contact with skin and eyes. Do not smoke or use open fire, or other sources of ignition. For personal protection, see section 8.

For emergency responders:
No specific recommendations. For personal protection, see section 8.

Environmental precautions:
Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Spill Cleanup Methods:
Absorb spillage with non-combustible, absorbent material. Do not use sawdust or other combustible material.

Reference to other sections

References:
For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Safe handling advice:
Avoid inhalation of vapors and contact with skin and eyes. Do not smoke or use open fire, or other sources of ignition. Observe good chemical hygiene practices.

Technical measures:
Work practice should minimize contact.

Technical precautions:
Local exhaust is recommended.

Conditions for safe storage, including any incompatibilities

Technical measures for safe storage:
Follow rules for flammable liquids.

Storage conditions:
Store in a cool and well-ventilated place. Avoid contact with oxidizing agents.

Specific end use(s):
No information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
### Occupational exposure limits:

<table>
<thead>
<tr>
<th>CAS-No.:</th>
<th>Chemical name:</th>
<th>As:</th>
<th>Exposure limits:</th>
<th>Type:</th>
<th>Notes:</th>
<th>References:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>Xylenes, all isomers</td>
<td>-</td>
<td>100 ppm</td>
<td>435 mg/m³</td>
<td>TWA</td>
<td>-</td>
</tr>
<tr>
<td>80-62-6</td>
<td>Methyl methacrylate</td>
<td>-</td>
<td>100 ppm</td>
<td>410 mg/m³</td>
<td>TWA</td>
<td>-</td>
</tr>
<tr>
<td>100-41-4</td>
<td>Ethyl benzene</td>
<td>-</td>
<td>100 ppm</td>
<td>435 mg/m³</td>
<td>TWA</td>
<td>-</td>
</tr>
<tr>
<td>80-62-6</td>
<td>Methyl methacrylate</td>
<td>-</td>
<td>50 ppm</td>
<td>435 mg/m³</td>
<td>TWA</td>
<td>DSEN; A4</td>
</tr>
<tr>
<td>-</td>
<td>-</td>
<td>100 ppm</td>
<td>STEL</td>
<td>DSEN; A4; 15min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100-41-4</td>
<td>Ethyl benzene</td>
<td>-</td>
<td>20 ppm</td>
<td>STEL</td>
<td>A3; BEI</td>
<td>ACGIH</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylene (o, m &amp; p isomers)</td>
<td>-</td>
<td>100 ppm</td>
<td>STEL</td>
<td>A4; BEI; 15min</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:

- **A4**: Not Classifiable as a Human Carcinogen.
- **A3**: Confirmed Animal Carcinogen with Unknown Relevance to Humans.
- **DSEN**: Dermal Sensitization.

### Biological Limit Values:

<table>
<thead>
<tr>
<th>CAS-No.:</th>
<th>Chemical name:</th>
<th>As:</th>
<th>Exposure limits:</th>
<th>Sampling time:</th>
<th>Notes:</th>
<th>References:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>Xylenes, technical or commercial grades</td>
<td>Methylhippuric acids in urine</td>
<td>1.5 g/g Cre</td>
<td>End of shift</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>100-41-4</td>
<td>Ethyl benzene</td>
<td>Mandelic acid plus Phenylglyoxylic acid in urine</td>
<td>0.7 g/g Cre</td>
<td>End of shift at end of workweek</td>
<td>Ns; Sq</td>
<td>-</td>
</tr>
<tr>
<td>100-41-4</td>
<td>Ethyl benzene</td>
<td>Ethyl benzene in end-exhaled air</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notes:

- cre: creatinine.
Exposure controls

Engineering measures: Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors. Provide easy access to water supply or an emergency shower.

Personal protection: Personal protection equipment should be chosen according to the ANSI standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: In case of inadequate ventilation: Use respiratory equipment with gas filter, type A2.

Hand protection: Wear protective gloves. Use protective gloves made of: Viton rubber (fluor rubber).

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Breakthrough time: ≥480 min
Thickness: ≥ 0,7 mm (*)

Eye protection: Risk of splashes: Wear goggles/face shield.

Skin protection: Wear apron or protective clothing in case of splashes.

Environmental Exposure Controls: Not available.
### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Colorless</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>of solvents</td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Melting point</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Boiling point</strong></td>
<td>136°C / 276.8°F</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>23°C / 73.4°F</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Explosion limits</strong></td>
<td>0,9 - 7% (Xylene)</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>8 hPa (Xylene) (20°C)</td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>0.95</td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
<td>insoluble in water</td>
</tr>
<tr>
<td><strong>Soluble in</strong></td>
<td>Ethanol</td>
</tr>
<tr>
<td><strong>Partition coefficient</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td>(n-octanol/water)</td>
<td></td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>&gt;250°C / &gt;482°F</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Dynamic viscosity: 250-450 mPas (20°C)</td>
</tr>
<tr>
<td><strong>Kinematic viscosity</strong></td>
<td>200-400 mm²/s (20°C)</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Oxidizing properties</strong></td>
<td>Not available.</td>
</tr>
</tbody>
</table>

**Other information**

**Other data:** Volatile Organic Compound (VOC): 570 g/l (calculated)
SECTION 10: STABILITY AND REACTIVITY

Reactivity
Reactivity: No data available.

Chemical stability
Stability: Stable under normal temperature conditions.

Possibility of hazardous reactions
Hazardous Reactions: No data available.

Conditions to avoid
Conditions/materials to avoid: Avoid heat, flames and other sources of ignition.

Incompatible materials
Incompatible materials: Avoid contact with oxidizing agents.

Hazardous decomposition products
Hazardous decomposition products: During fire, toxic gases (CO, CO2) are formed.
SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.
Acute Toxicity (Dermal): Harmful in contact with skin.
Acute Toxicity (Inhalation): Harmful if inhaled.
Skin Corrosion/Irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitization: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
National Toxicology Program (NTP): No.
IARC Cancer Review: Group 3 for Xylenes.
IARC Cancer Review: Group 2B for Ethylbenzene.
IARC Cancer Review: Group 3 for Methyl methacrylate.
OSHA: No.
Reproductive Toxicity: Based on available data, the classification criteria are not met.
STOT - Single exposure: May cause respiratory irritation.
STOT - Repeated exposure: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard: Based on available data, the classification criteria are not met.
Inhalation: Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Skin contact: The product contains xylene which may penetrate the skin.
Ingestion: May irritate and cause malaise.
Specific effects: Frequent inhalation of even small concentrations may cause irritability, fatigue, memory failure and in time permanent damage to the nervous system, including the brain, and possibly liver and kidneys, too.
SECTION 12: ECOLOGICAL INFORMATION

**Toxicity**

Ecotoxicity: The product contains a substance which has a photochemical ozone creation potential.

**Persistence and degradability**

Degradability: The degradability of the product has not been stated.

**Bioaccumulative potential**

Bioaccumulative potential: No data available on bioaccumulation.

**Mobility in soil**

Mobility: No data available.

**Results of PBT and vPvB assessment**

PBT/vPvB: No information available.

**Other adverse effects**

Other adverse effects: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Waste from residues: Dispose of waste and residues in accordance with local authority requirements.
RCRA: Waste number: U239 (Xylene)
RCRA: Waste number U162 (Methyl methacrylate)

Contaminated packaging: Dispose of waste and residues in accordance with local authority requirements.
**SECTION 14: TRANSPORT INFORMATION**

**UN number**
- **UN-No:** 1307

**UN proper shipping name**
- **Proper Shipping Name:** XYLENES
- Additional IMDG information:
  - EmS: F-E, S-D
  - MFAG: 1

**Transport hazard class(es)**
- **Class:** 3

**Packing group**
- **PG:** III

**Environmental hazards**
- **Marine pollutant:** No.
- **Environmentally Hazardous substance:** No.

**Special precautions for user**
- **Special precautions:** None known.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
- **Transport in bulk:** Not relevant.
SECTION 15: REGULATORY INFORMATION

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

**Special provisions:**
State and local regulation may apply.

TSCA: Listed.

NFPA Rating: Health: 2  Fire: 3  Reactivity: 0  Other:-

SARA Section 302: No.
SARA Section 304: Yes.
SARA Section 313: Yes.
SARA (311/312) Hazard categories: Yes.
CAA: Yes. (Xylenes)
CAA: Yes. (Methyl methacrylate)
California Proposition 65: Ethylbenzene

**National regulation:**
The following lists have been checked:
Threshold Limit Values (2019), ACGIH, by the American Conference on Governmental Industrial Hygienists.
NIOSH Pocket Guide to Chemical Hazards.
The Code of Federal Regulation, Title 40, part 261.33. Identification and listing of hazardous waste.
SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 1, 8.
The (*) indicates the changes made with respect to the previous version.

Approved by DHI.

Allan Vorup

Additional information: Classification according to HCS 2012:
Calculation method.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.