SAFETY DATA SHEET
TEMAFLOOR FLUAT

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

1.1 Product identifier

Product name: TEMAFLOOR FLUAT
Index number: 009-018-00-3
EC number: Not available.
CAS number: 18972-56-0
Product description: Additive.

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

Recommended use: Painting work

1.3 Details of the supplier of the safety data sheet

Manufacturer or Distributor:
Tikkurila Oyj
P.O. Box 53
FI-01301 VANTAA
FINLAND
Telephone +358 20 191 2000

E-mail address of person responsible for this SDS: Tikkurila Oyj,
Product Safety,
e-mail: productsafety@tikkurila.com

1.4 Emergency telephone number

Supplier or Manufacturer
Telephone number: 112
(24h)

Tikkurila Oyj
Telephone number: +358 20 191 2000 (GMT +2) Mon-Fri 8-16

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition: Mono-constituent substance

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

- Acute Tox. 3, H301
- Acute Tox. 4, H332
- Eye Dam. 1, H318
- Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

2.2 Label elements
Hazard pictograms:

Signal word: Danger
Hazard statements:
- H301 - Toxic if swallowed.
- H332 - Harmful if inhaled.
- H318 - Causes serious eye damage.
- H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:
- General: Not applicable.
- Prevention:
  - P261 - Avoid breathing dust.
  - P270 - Do not eat, drink or smoke when using this product.
  - P273 - Avoid release to the environment.
  - P280 - Wear protective gloves/clothing and eye/face protection.
  - P284 - In case of inadequate ventilation wear respiratory protection.
- Response:
  - P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or physician.
    P330 - Rinse mouth.
  - P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.
    Remove contact lenses, if present and easy to do. Continue rinsing.
- Storage: Not applicable.
- Disposal: Not applicable.

Hazardous ingredients:
- Magnesium hexafluorosilicate

Supplemental label elements: Not applicable.

2.3 Other hazards
- Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII: Not applicable.
  P: Not available. B: Not available. T: Not available.
- Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII: Not applicable.
  vP: Not available. vB: Not available.
- Other hazards which do not result in classification: None known.

SECTION 3: Composition/information on ingredients

3.1 Substances: Mono-constituent substance

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>identifiers</th>
<th>%</th>
<th>Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium hexafluorosilicate</td>
<td>CAS: 18972-56-0, Index: 009-018-00-3</td>
<td>100</td>
<td>Acute Tox. 3, H301, Acute Tox. 4, H332, Eye Dam. 1, H318, Aquatic Chronic 3, H412</td>
<td>A</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.
Notes, if applicable, refer to Notes given in Annex VI of 1272/2008/EC.
SECTION 4: First aid measures

4.1 Description of first aid measures

General: In all cases of doubt, or when symptoms persist, seek medical attention. Show this safety data sheet or label to the doctor if possible.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of lukewarm water, keeping eyelids open. Continue to rinse for at least 20 minutes. Get medical attention immediately.

Inhalation: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.

Skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. Get medical attention if symptoms occur.

Ingestion: If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Remove to fresh air and keep at rest in a position comfortable for breathing. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Ingestion: Toxic if swallowed. Harmful if inhaled. Causes serious eye damage. See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire. Recommended: Alcohol resistant foam, CO₂, powders or water spray/mist.

Unsuitable extinguishing media: Do not use a direct water jet that could spread the fire.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: This product is not classified as flammable. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

In a fire, decomposition may produce toxic gases/fumes. (Hydrogen fluoride (HF).)

5.3 Advice for firefighters

Special protective actions for fire-fighters: Use water spray to keep fire-exposed containers cool. This material is hazardous to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Provide adequate ventilation. Avoid contact with skin and eyes. Put on appropriate personal protective equipment (see Section 8).

6.2 Environmental precautions: Hazardous to aquatic environment. Do not allow to enter drains, water courses or soil.
6.3 Methods and materials for containment and cleaning up

Vacuum or sweep up material and place in a designated, labeled waste container. Avoid dust generation. Preferably clean with water or detergent. Avoid using solvents.

6.4 Reference to other sections

See Section 1 for emergency contact information.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breathe dust. See Section 8 for information on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled and stored. Wash hands before breaks and immediately after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep container tightly closed. Do not store in unlabeled containers. Store locked up. Recommended storage temperature is +5°C ... +25°C. Store in accordance with local regulations.

7.3 Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits
No exposure limit value known.

Recommended monitoring procedures
If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

DNELs/DMELs
No DNELs/DMELs available.
PNECs
No PNECs available.

8.2 Exposure controls

Appropriate engineering controls
Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn (see Personal protection). Provide a readily-accessible eyewash facility. Comply with the health and safety at work laws.

Individual protection measures

Eye/face protection
Wear eye/face protection (EN166).

Hand protection
Wear protective gloves. Gloves should be replaced regularly and if there is any sign of damage to the glove material. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.
Recommended glove material (EN374):
> 8 hours (breakthrough time): nitrile rubber

Skin protection
Wear suitable protective clothing.

Respiratory protection
If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Recommended: If ventilation is inadequate, use appropriate respirators with dust filter P2 (EN149:2001). Check that mask fits tightly and change filter regularly.
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance
- Physical state: Solid.
- Color: White.
- Odor: Characteristic.
- Odor threshold: Not relevant for the hazard assessment of the product.

Physical state
- Melting point/freezing point: Not available.
- Initial boiling point and boiling range: Not available.

Vapor pressure
- Flash point: Not applicable.
- Evaporation rate: Not available.

Flammability (solid, gas)
- Upper/lower flammability or explosive limits: Not available.
- Vapor pressure: Not available.
- Vapor density: Not available.
- Density: 1.79 g/cm³

Solubility(ies)
- Solubility: Miscible in water (600 g/l, 20 °C)
- Partition coefficient: n-octanol/water: Not available.

Auto-ignition temperature
- Decomposition temperature: Not relevant for the hazard assessment of the product.

Viscosity
- Not relevant for the hazard assessment of the product.

Explosive properties
- No explosive ingredients present.

Oxidizing properties
- No oxidizing ingredients present.

9.2 Other information
- Molecular weight: 274.52 g/mole
- No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity
- See Section 10.5.

10.2 Chemical stability
- Stable under recommended storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions
- Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid
- Avoid extreme heat and freezing.

10.5 Incompatible materials
- Keep away from the following materials to prevent strong exothermic reactions:
  - oxidizing agents
  - strong acids
  - strong alkalis

10.6 Hazardous decomposition products
- When exposed to high temperatures may produce hazardous decomposition products. (e.g. Hydrogen fluoride (HF).)
SECTION 11: Toxicological information

11.1 Information on toxicological effects
There is no testdata available on the product itself.
The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Acute toxicity
Toxic if swallowed. Harmful if inhaled.
Irritation/Corrosion
Causes serious eye damage.
Sensitization
Not classified.
Mutagenicity
Not classified.
Carcinogenicity
Not classified.
Reproductive toxicity
Not classified.
Teratogenicity
Not classified.
Specific target organ toxicity (single exposure)
Not classified.
Specific target organ toxicity (repeated exposure)
Not classified.
Aspiration hazard
Not classified.

SECTION 12: Ecological information
Ecological testing has not been conducted on this product.
Do not allow to enter drains, water courses or soil.
The product is classified as environmentally hazardous according to Regulation (EC) 1272/2008.
Harmful to aquatic life with long lasting effects.

12.1 Toxicity
No specific data.
Not available.

12.2 Persistence and degradability
No specific data.

12.3 Bioaccumulative potential
No specific data.

12.4 Mobility in soil
Soil/water partition coefficient (K<sub>OC</sub>)
Not available.

 Mobility
Not available.

12.5 Results of PBT and vPvB assessment
PBT
Not applicable.
P: Not available. B: Not available. T: Not available.
vPvB
Not applicable.
vP: Not available. vB: Not available.
12.6 Other adverse effects : Not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : Liquid residue and cleaning liquids are hazardous waste and must not be emptied into drains or sewage system, but handled in accordance with national regulations. Product residues should be left at special companies which have permission for gathering this kind of wastes.

European waste catalogue (EWC)

<table>
<thead>
<tr>
<th>Waste code</th>
<th>Waste designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 01 11*</td>
<td>waste paint and varnish containing organic solvents or other hazardous substances</td>
</tr>
<tr>
<td>06 00 00</td>
<td>WASTES FROM INORGANIC CHEMICAL PROCESSES</td>
</tr>
<tr>
<td>06 03 00</td>
<td>wastes from the MFSU of salts and their solutions and metallic oxides</td>
</tr>
</tbody>
</table>

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

Packaging

Methods of disposal : Empty packaging should be disposed of in accordance with national regulations.

Special precautions : None.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN number</td>
<td>UN2853</td>
<td>UN2853</td>
</tr>
<tr>
<td>14.2 UN proper shipping name</td>
<td>MAGNESIUM FLUOROSILICATE</td>
<td>MAGNESIUM FLUOROSILICATE</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>6.1</td>
<td>6.1</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>III</td>
<td>III</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>No.</td>
<td>No.</td>
</tr>
</tbody>
</table>

Additional information

ADR/RID : Hazard identification number 60

Limited quantity 5 kg

Tunnel code (E)

IMDG : Emergency schedules F-A, S-A


14.6 Special precautions for user

Transport within user’s premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not available.
SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH)

Other EU regulations

Europe inventory : Not determined.

15.2 Chemical Safety Assessment

Not available.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

<table>
<thead>
<tr>
<th>Abbreviations and acronyms</th>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE = Acute Toxicity Estimate</td>
<td>Acute Tox. 3, H301</td>
<td>Expert judgment</td>
</tr>
<tr>
<td>DMEL = Derived Minimal Effect Level</td>
<td>Eye Dam. 1, H318</td>
<td>Expert judgment</td>
</tr>
<tr>
<td>DNEL = Derived No Effect Level</td>
<td>Aquatic Chronic 3, H412</td>
<td>Expert judgment</td>
</tr>
<tr>
<td>EUII statement = CLP-specific Hazard statement</td>
<td></td>
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</tr>
<tr>
<td>PBT = Persistent, Bioaccumulative and Toxic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PNEC = Predicted No Effect Concentration</td>
<td></td>
<td></td>
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<tr>
<td>RRN = REACH Registration Number</td>
<td></td>
<td></td>
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<tr>
<td>vPvB = Very Persistent and Very Bioaccumulative</td>
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Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

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<td>Causes serious eye damage.</td>
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<tr>
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<td>Harmful to aquatic life with long lasting effects.</td>
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Full text of abbreviated H statements:

- H301: Toxic if swallowed.
- H318: Causes serious eye damage.
- H332: Harmful if inhaled.
- H412: Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]:

- Acute Tox. 3, H301: ACUTE TOXICITY (oral) - Category 3
- Acute Tox. 4, H332: ACUTE TOXICITY (inhalation) - Category 4
- Aquatic Chronic 3, H412: AQUATIC HAZARD (LONG-TERM) - Category 3
- Eye Dam. 1, H318: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

Date of issue/ Date of revision: 12/13/2018
Date of previous issue: 11/7/2018
Version: 2.01

Notice to reader

This Safety Data Sheet is prepared in accordance with Annex II (EU) No 830/2015 to Regulation (EC) No 1907/2006 (REACH). The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.