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

1.1. Product identifier

- Product form: Mixture
- Trade name: GRAVITEXPLUS
- Product code: GRA/NB1
- Product group: Coating

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

1.2.1. Relevant identified uses

- Function or use category: Coating

1.2.2. Uses advised against

- No additional information available

1.3. Details of the supplier of the safety data sheet

U-POL LIMITED
Denington Road, Wellingborough
Northants. NN8 2QH - UK
T +44 (0) 1933 230310
technical.department@u-pol.com - www.u-pol.com

1.4. Emergency telephone number

- Emergency number: CHEMTREC - +44 (0) 870 8200418 (24 hrs)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

- Flammable liquids, Category 3: H226
- Skin corrosion/irritation, Category 2: H315
- Specific target organ toxicity — Repeated exposure, Category 2: H373
- Hazardous to the aquatic environment — Chronic Hazard, Category 3: H412

Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects

- Flammable liquid and vapour. May cause cancer. May cause damage to organs through prolonged or repeated exposure. Causes skin irritation.

2.2. Label elements

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

- Hazard pictograms (CLP):
  - GHS02
  - GHS07
  - GHS08

- Signal word (CLP): Warning
- Hazardous ingredients: ethylbenzene
- Hazard statements (CLP):
  - H226 - Flammable liquid and vapour.
  - H315 - Causes skin irritation.
  - H373 - May cause damage to organs (hearing organs) through prolonged or repeated exposure (inhalation).
  - H412 - Harmful to aquatic life with long lasting effects.

- Precautionary statements (CLP):
  - P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - P260 - Do not breathe vapours, spray, fume.
  - P264 - Wash hands thoroughly after handling.
  - P280 - Wear protective gloves, protective clothing, face protection.
  - P308+P313 - IF exposed or concerned: Get medical advice.
  - P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
2.3. Other hazards
No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>(CAS-No.) 1330-20-7 (EC Index No.) 215-535-7 (REACH no) 01-2119488216-32</td>
<td>25 - 50</td>
<td>Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315</td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>(CAS-No.) 100-41-4 (EC-Index No.) 202-849-4 (REACH no) 01-2119489370-35</td>
<td>10 - 20</td>
<td>Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>kieselguhr, soda ash flux calcined</td>
<td>(CAS-No.) 68855-54-9 (EC-No.) 272-489-0</td>
<td>&lt; 10</td>
<td>STOT RE 2, H373</td>
</tr>
<tr>
<td>4-chlorobenzotrifluoride</td>
<td>(CAS-No.) 98-56-6 (EC-No.) 202-681-1</td>
<td>5 - 10</td>
<td>Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures
- First-aid measures general: IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact: Rinse eyes with water as a precaution.
- First-aid measures after ingestion: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
- Symptoms/effects after skin contact: Irritation.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
- Fire hazard: Flammable liquid and vapour.
- Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3. Advice for firefighters
- Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
- Emergency procedures: No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe vapours, spray, fume.
6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment: Contain leaking substance. Collect spillage.

Methods for cleaning up: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe vapours, spray, fume. Avoid contact with skin and eyes.

Hygiene measures: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Ground/bond container and receiving equipment.

Storage conditions: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Storage temperature: < 25 °C

Storage area: Store in well ventilated area.

Special rules on packaging: Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Local name</th>
<th>EU IOELV TWA (mg/m³)</th>
<th>EU IOELV TWA (ppm)</th>
<th>EU IOELV STEL (mg/m³)</th>
<th>EU IOELV STEL (ppm)</th>
<th>Notes</th>
<th>Regulatory reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylbenzene (100-41-4)</td>
<td>Local name</td>
<td>Ethylbenzene</td>
<td>442 mg/m³</td>
<td>100 ppm</td>
<td>200 ppm</td>
<td>Skin</td>
<td>COMMISSION DIRECTIVE 2000/39/EC</td>
</tr>
<tr>
<td>EU</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Local name</td>
<td>Ethylbenzene</td>
<td>441 mg/m³</td>
<td>100 ppm</td>
<td>125 ppm</td>
<td>Sk</td>
<td>EH40. HSE</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (mg/m³)</td>
<td>441 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (ppm)</td>
<td>100 ppm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL STEL (mg/m³)</td>
<td>552 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL STEL (ppm)</td>
<td>125 ppm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Remark (WEL)</td>
<td>Sk</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Regulatory reference</td>
<td>EH40. HSE</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>United Kingdom</td>
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<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>Local name</th>
<th>EU IOELV TWA (mg/m³)</th>
<th>EU IOELV TWA (ppm)</th>
<th>EU IOELV STEL (mg/m³)</th>
<th>EU IOELV STEL (ppm)</th>
<th>Notes</th>
<th>Regulatory reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene (1330-20-7)</td>
<td>Local name</td>
<td>Xylene, mixed isomers, pure</td>
<td>221 mg/m³</td>
<td>50 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EU</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5/18/2018 EN (English) SDS Ref. (EU): GRANB1
8.2. Exposure controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Personal protective equipment:
Gloves. Protective clothing. Safety glasses.

Materials for protective clothing:
Impermeable clothing

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Viscous. Liquid.</td>
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<tr>
<td>Colour</td>
<td>Black.</td>
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<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
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<tr>
<td>Freezing point</td>
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xylene (1330-20-7)

<table>
<thead>
<tr>
<th>EU</th>
<th>Local name</th>
<th>Notes</th>
<th>Regulatory reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU</td>
<td></td>
<td>Skin</td>
<td>COMMISSION DIRECTIVE 2000/39/EC</td>
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</tbody>
</table>

Xylene (1330-20-7)

<table>
<thead>
<tr>
<th>EU</th>
<th>EU IOELV STEL (mg/m³)</th>
<th>EU IOELV STEL (ppm)</th>
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<tbody>
<tr>
<td>EU</td>
<td>442 mg/m³</td>
<td>100 ppm</td>
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<table>
<thead>
<tr>
<th>EU</th>
<th>EU Local name</th>
<th>EU Notes</th>
<th>Regulatory reference</th>
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</thead>
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<tr>
<td>EU</td>
<td>Xylene</td>
<td>Skin</td>
<td>COMMISSION DIRECTIVE 2000/39/EC</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>United Kingdom</th>
<th>Local name</th>
<th>Notes</th>
<th>Regulatory reference</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Xylene</td>
<td></td>
<td>COMMISSION DIRECTIVE 2000/39/EC</td>
</tr>
</tbody>
</table>

kieselguhr, soda ash flux calcined (68855-54-9)

<table>
<thead>
<tr>
<th>United Kingdom</th>
<th>Local name</th>
<th>Notes</th>
<th>Regulatory reference</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Xylene</td>
<td></td>
<td>EH40. HSE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>United Kingdom</th>
<th>WEL TWA (mg/m³)</th>
<th>WEL TWA (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>220 mg/m³</td>
<td>50 ppm</td>
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<table>
<thead>
<tr>
<th>United Kingdom</th>
<th>WEL STEL (mg/m³)</th>
<th>WEL STEL (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>441 mg/m³</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>United Kingdom</th>
<th>Remark (WEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>United Kingdom</th>
<th>Regulatory reference</th>
</tr>
</thead>
<tbody>
<tr>
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<td>EH40. HSE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>United Kingdom</th>
<th>WEL TWA (mg/m³)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1.2 mg/m³</td>
</tr>
</tbody>
</table>
GRAVITEXPLUS
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Boiling point: No data available
Flash point: 26 °C
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): Not applicable
Vapour pressure: No data available
Relative vapour density at 20 °C: No data available
Relative density: No data available
Density: 1.013 g/cm³
Solubility: insoluble in water. soluble in most organic solvents.
Log Pow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2. Other information
VOC content: 468 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity
Flammable liquid and vapour.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity (oral): Not classified
Acute toxicity (dermal): Not classified
Acute toxicity (inhalation): Not classified

ethylbenzene (100-41-4)

LD50 oral rat: 3500 mg/kg (Rat, Male/female, Experimental value)
LD50 dermal rabbit: 15432 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value)
LC50 inhalation rat (mg/l): 17.8 mg/l (4 h, Rat, Male, Experimental value)

xylene (1330-20-7)

LD50 oral rat: 3523 mg/kg bodyweight (Equivalent or similar to EU Method B.1: Acute Toxicity (Oral), Rat, Male, Experimental value)

4-chlorobenzotrifluoride (98-56-6)

LD50 oral rat: 13000 mg/kg (Rat)
LD50 dermal rabbit: > 2000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l): 33 mg/l (4 h, Rat)

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Not classified
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : May cause damage to organs (hearing organs) through prolonged or repeated exposure (inhalation).
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity : Not classified
Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>EC50 for Daphnia magna</th>
<th>EC50 for 72h algae (1)</th>
<th>LC50 for fish 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylbenzene (100-41-4)</td>
<td>1.8 - 2.4 mg/l</td>
<td>5.4 mg/l</td>
<td>4.2 mg/l</td>
</tr>
<tr>
<td>Xylene (1330-20-7)</td>
<td>3.82 mg/l</td>
<td></td>
<td>2.6 mg/l</td>
</tr>
<tr>
<td>4-Chlorobenzotrifluoride</td>
<td>3.68 mg/l</td>
<td></td>
<td>11.4 mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Chemical</th>
<th>BOD (20d.)</th>
<th>Chemical oxygen demand (COD)</th>
<th>ThOD</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylbenzene (100-41-4)</td>
<td>1.44 g O₂/g substance</td>
<td>2.1 g O₂/g substance</td>
<td>3.17 g O₂/g substance</td>
<td>Biodegradable in the soil. Readily biodegradable in water.</td>
</tr>
<tr>
<td>Xylene (1330-20-7)</td>
<td></td>
<td></td>
<td></td>
<td>Biodegradable in the soil. Readily biodegradable in water.</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Chemical</th>
<th>BCF fish 1</th>
<th>Log Pow</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylbenzene (100-41-4)</td>
<td>1 - 2.4 (Other, 6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)</td>
<td>3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)</td>
<td>Low potential for bioaccumulation (BCF &lt; 500).</td>
</tr>
<tr>
<td>Xylene (1330-20-7)</td>
<td>7 - 26 (8 week(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value)</td>
<td>3.2 (Conclusion by analogy, 20 °C)</td>
<td>Low potential for bioaccumulation (BCF &lt; 500).</td>
</tr>
</tbody>
</table>
GRAVITEXPLUS
Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

5/18/2018

EN (English)

SDS Ref. (EU): GRANB1

7/10

**kieselguhr, soda ash flux calcined (68855-54-9)**

| Bioaccumulative potential | No test data of component(s) available. |

**4-chlorobenzotrifluoride (98-56-6)**

| Log Pow | 3.6 |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

**12.4. Mobility in soil**

**ethylbenzene (100-41-4)**

| Surface tension | 0.071 N/m (23 °C, 0.0582 g/l) |
| Log Koc | 2.71 (log Koc, PCKOCWIN v1.66, QSAR) |
| Ecology - soil | Low potential for adsorption in soil. Toxic to soil organisms. |

**xylene (1330-20-7)**

| Surface tension | 28.01 - 29.76 mN/m (25 °C) |
| Ecology - soil | No (test) data on mobility of the substance available. May be harmful to plant growth, blooming and fruit formation. |

**12.5. Results of PBT and vPvB assessment**

| Component | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII |
| ethylbenzene (100-41-4) | This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| xylene (1330-20-7) | This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

**12.6. Other adverse effects**

No additional information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Regional legislation (waste): Disposal must be done according to official regulations.

Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.

Additional information: Flammable vapours may accumulate in the container.

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
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<tbody>
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<td>UN number</td>
<td>1263</td>
<td>1263</td>
<td>1263</td>
</tr>
<tr>
<td>14.2.</td>
<td>UN proper shipping name</td>
<td>PAINT</td>
<td>PAINT</td>
<td>PAINT</td>
</tr>
<tr>
<td>Transport document description</td>
<td>UN 1263 PAINT, 3, III, (D/E)</td>
<td>UN 1263 PAINT, 3, II</td>
<td>UN 1263 Paint, 3, II</td>
<td>UN 1263 PAINT, 3, III</td>
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<tr>
<td>14.3.</td>
<td>Transport hazard class(es)</td>
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<td>3</td>
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<td>14.4.</td>
<td>Packing group</td>
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<td>II</td>
<td>III</td>
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<tr>
<td>14.5.</td>
<td>Environmental hazards</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
</tr>
<tr>
<td>Dangerous for the environment: No</td>
<td>Marine pollutant: No</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

No supplementary information available

**14.6. Special precautions for user**

- **Overland transport**
  - Classification code (ADR): F1
  - Special provisions (ADR): 163, 640E, 650
  - Limited quantities (ADR): 5l
Exepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T2
Portable tank and bulk container special provisions (ADR) : TP1, TP29
Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2
Hazard identification number (Kemler No.) : 30
Orange plates :

Tunnel restriction code (ADR) : D/E
EAC code : 3YE

- Transport by sea
Special provisions (IMDG) : 163, 367
Limited quantities (IMDG) : 5 L
Exepted quantities (IMDG) : E2
Packing instructions (IMDG) : P001
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1, TP8, TP28
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E
Stowage category (IMDG) : B
Properties and observations (IMDG) : Miscibility with water depends upon the composition.

- Air transport
PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y341
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 353
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 364
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3, A72, A192
ERG code (IATA) : 3L

- Inland waterway transport
Classification code (ADN) : F1
Special provisions (ADN) : 163, 64E, 65
Limited quantities (ADN) : 5 L
Exepted quantities (ADN) : E1
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 0

- Rail transport
Classification code (RID) : F1
Special provisions (RID) : 163, 640E, 650
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, LP01, R001
Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T2
Portable tank and bulk container special provisions (RID) : TP1, TP29
Tank codes for RID tanks (RID) : LGBF
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Colis express (express parcels) (RID) : CE4
Hazard identification number (RID) : 30

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

<table>
<thead>
<tr>
<th>Hazard Classes or Categories</th>
<th>Substance or Mixture</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F</td>
<td>GRAVITEXPLUS - ethylbenzene - xylene - 4-chlorobenzotrifluoride</td>
<td></td>
</tr>
<tr>
<td>3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10</td>
<td>GRAVITEXPLUS - ethylbenzene - xylene - 4-chlorobenzotrifluoride</td>
<td></td>
</tr>
<tr>
<td>3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1</td>
<td>GRAVITEXPLUS - 4-chlorobenzotrifluoride</td>
<td></td>
</tr>
<tr>
<td>40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.</td>
<td>GRAVITEXPLUS - ethylbenzene - xylene - 4-chlorobenzotrifluoride</td>
<td></td>
</tr>
</tbody>
</table>

Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

VOC content : 468 g/l

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

<table>
<thead>
<tr>
<th>Section</th>
<th>Changed Item</th>
<th>Change</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAO</td>
<td>max net quantity (IATA)</td>
<td>Modified</td>
<td></td>
</tr>
<tr>
<td>CAO</td>
<td>packing instructions (IATA)</td>
<td>Modified</td>
<td></td>
</tr>
<tr>
<td>PCA</td>
<td>max net quantity (IATA)</td>
<td>Modified</td>
<td></td>
</tr>
<tr>
<td>PCA</td>
<td>packing instructions (IATA)</td>
<td>Modified</td>
<td></td>
</tr>
<tr>
<td>PCA</td>
<td>limited quantity max net quantity (IATA)</td>
<td>Modified</td>
<td></td>
</tr>
<tr>
<td>PCA</td>
<td>Limited quantities (IATA)</td>
<td>Modified</td>
<td></td>
</tr>
<tr>
<td>PCA</td>
<td>Excepted quantities (IATA)</td>
<td>Modified</td>
<td></td>
</tr>
</tbody>
</table>
GRAVITEXPLUS
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<table>
<thead>
<tr>
<th>Stowage category (IMDG)</th>
<th>Modified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tank special provisions (IMDG)</td>
<td>Modified</td>
</tr>
<tr>
<td>Tank instructions (IMDG)</td>
<td>Modified</td>
</tr>
<tr>
<td>IBC packing instructions (IMDG)</td>
<td>Modified</td>
</tr>
<tr>
<td>Excepted quantities (IMDG)</td>
<td>Modified</td>
</tr>
<tr>
<td>Special provisions (IMDG)</td>
<td>Modified</td>
</tr>
<tr>
<td>Supersedes</td>
<td>Modified</td>
</tr>
<tr>
<td>Revision date</td>
<td>Modified</td>
</tr>
</tbody>
</table>

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

2.2 Precautionary statements (CLP) Modified

2.2 Hazard statements (CLP) Modified

3 Composition/information on ingredients Modified

9.1 Density Modified

14.4 Packing group (IATA) Modified

14.4 Packing group (IMDG) Modified

14.6 Packing instructions (IMDG) Modified

Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>H225</th>
<th>Highly flammable liquid and vapour.</th>
</tr>
</thead>
<tbody>
<tr>
<td>H226</td>
<td>Flammable liquid and vapour.</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

Acute Tox. 4 (Dermal) Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation) Acute toxicity (inhal.), Category 4
Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1 Aspiration hazard, Category 1
Eye Irrit. 2 Serious eye damage/eye irritation, Category 2
Flam. Liq. 2 Flammable liquids, Category 2
Flam. Liq. 3 Flammable liquids, Category 3
Skin Irrit. 2 Skin corrosion/irritation, Category 2
STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

SDS EU (REACH Annex II)

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