1. Identification

1.1. Product identifier

Trade name: Protectosil® CHEM-TRETE® 40 D

Chemical Name: Protectosil® CHEM-TRETE® 40 D

1.2. Recommended use of the chemical and restrictions on use

Relevant applications identified: For industrial use

Function: Waterproofing agent

1.3. Details of the supplier of the safety data sheet

Company: Evonik Corporation

299 Jefferson Road

Parsippany, NJ 07054-0677

USA

Telephone: 973-929-8000

Telefax: 973-929-8040

Email address: Product-Regulatory-Services@evonik.com

1.4. 24 HOUR EMERGENCY TELEPHONE NUMBERS:

CHEMTREC - US & CANADA: 800-424-9300

CHEMTREC MEXICO: 01-800-681-9531

CHEMTREC INTERNATIONAL: +1 703-527-3887 (collect calls accepted)

Product Regulatory Services: 973-929-8060

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation 29CFR 1910.1200

Flammable liquids: Category 2 - H225

Acute toxicity (Oral): Category 4 - H302

Skin irritation: Category 2 - H315

Specific target organ toxicity - single exposure (Optic nerve, central nervous system): Category 1 - H370

2.2. Label elements

Statutory basis symbol(s): Classification according to Regulation 29CFR 1910.1200

![Label symbols]
Signal word  Danger

Hazard statement  H225 - Highly flammable liquid and vapor.
H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H370 - Causes damage to organs.

Precautionary statement:
Prevention  P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ ventilaing/ lighting/ equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/ eye protection/ face protection.

Precautionary statement:
Reaction  P307 + P311 - IF exposed or concerned: Call a POISON CENTER/doctor.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P330 - Rinse mouth.
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.
P363 - Wash contaminated clothing before reuse.
P370 + P378 - In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

Precautionary statement:
Storage  P403 + P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.

Precautionary statement:
Disposal  P501 - Dispose of contents/ container to an approved waste disposal plant.

2.3.  Other hazards
None known.

3.  Composition / information on ingredients

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol; ethyl alcohol</td>
<td>&gt;= 30% - &lt;60%</td>
</tr>
<tr>
<td>CAS-No. 64-17-5</td>
<td>Flammable liquids</td>
</tr>
<tr>
<td></td>
<td>Category 2</td>
</tr>
<tr>
<td>Triethoxysobutylsilane</td>
<td>&gt;= 10% - &lt;30%</td>
</tr>
<tr>
<td>CAS-No. 17980-47-1</td>
<td>Flammable liquids</td>
</tr>
<tr>
<td></td>
<td>Skin irritation</td>
</tr>
<tr>
<td></td>
<td>Category 4</td>
</tr>
<tr>
<td></td>
<td>Category 2</td>
</tr>
<tr>
<td>Silicic acid, ethyl ester</td>
<td>&gt;= 10% - &lt;30%</td>
</tr>
<tr>
<td>CAS-No. 11099-06-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Remarks</td>
</tr>
<tr>
<td></td>
<td>Not a hazardous substance or mixture.</td>
</tr>
<tr>
<td>Methanol</td>
<td>&gt;= 10% - &lt;30%</td>
</tr>
<tr>
<td>CAS-No. 67-56-1</td>
<td>Flammable liquids</td>
</tr>
<tr>
<td></td>
<td>Category 2</td>
</tr>
</tbody>
</table>
4. First aid measures

4.1. Description of first aid measures

Inhalation
If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.

Skin contact
Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly wash clothing, shoes and protective equipment before reuse or discard. Get medical attention if irritation develops or persists.

Eye contact
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention.

Ingestion
If swallowed, get medical attention immediately. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person.

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

Symptoms
None known

4.3. Indication of any immediate medical attention and special treatment needed
None known

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use water spray or fog, foam, dry chemical or CO₂.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Flammable liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint.

5.3. Advice for firefighters

Containers can build up pressure if exposed to heat (fire). Cool with water spray. As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA / NIOSH approved or equivalent) and full protective gear.

6. Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions
Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

6.3. Methods and material for containment and cleaning up
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Additional advice
Remove sources of ignition and ventilate area.
Run off may create fire or explosion hazard in sewer.
Assure sufficient ventilation.

7. Handling and storage

7.1. Precautions for safe handling
Wear personal protective equipment; see section 8. Keep away from heat. Keep away from sparks, flames and other sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. Ground and bond containers when transferring material. Use explosion-proof equipment. Follow all MSDS/label precautions even after the container is emptied because it may retain product residues. Wash thoroughly after handling. Vapors may spread long distances and travel to areas away from the work site before igniting or flashing back to the vapor source.

7.2. Conditions for safe storage, including any incompatibilities
Advice on protection against fire and explosion
This material may have a low electrical conductivity and therefore may accumulate dangerous levels of static electricity. An ignitable vapor-air mixture can form inside storage tanks.

The user must be sure to dissipate static charge by careful bonding and grounding of all equipment and personnel involved in fluid transfer with continuity checks to prove effectiveness. Additional precautions against fire and explosion are the use of inert gas to purge vapor space; dip-pipes while filling vessels, especially lined vessels; grounded tank level floats; reduced flow velocity; self-closing valves on transfer lines and flame arrestors in vent lines.

Additional guidance on fire and explosion protection may be found in various consensus standards, including NFPA 30, 69 and 77 and API 2003 as well as OSHA regulation 29CFR1910.106.

Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage
Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture. Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container.

8. Exposure controls / personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Ethanol</th>
<th>CAS-No.</th>
<th>Control parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>64-17-5</td>
<td>1000 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1900 mg/m3</td>
</tr>
</tbody>
</table>

Permissible exposure limit:(OSHA Z1)
SAFETY DATA SHEET
Protectosil® CHEM-TRETE® 40 D

Control parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>1000 ppm</td>
</tr>
<tr>
<td></td>
<td>1900 mg/m³</td>
</tr>
<tr>
<td>Time Weighted Average (TWA)</td>
<td>Permissible Exposure Limit (PEL): (US CA OEL)</td>
</tr>
<tr>
<td>Tetraethyl silicate</td>
<td>10 ppm</td>
</tr>
<tr>
<td></td>
<td>85 mg/m³</td>
</tr>
<tr>
<td>Time Weighted Average (TWA)</td>
<td>Permissible Exposure Limit (PEL): (US CA OEL)</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Engineering measures
Use this product preferably in a closed system, or use process enclosures, local exhaust ventilation or other engineering controls to minimize airborne exposure.

Personal protective equipment
Respiratory protection
A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.
Hand protection
Use impermeable gloves.
Personal protective equipment that provides a barrier to prevent dermal exposure to this substance is required.

Eye protection
Use chemical splash goggles or face shield.

Skin and body protection
A safety shower and eye wash fountain should be readily available.
To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

Hygiene measures
Avoid contact with skin, eyes and clothing. Do not inhale vapors or aerosols. Do not eat, drink, or smoke when using the product. Remove contaminated or saturated clothing.

9. Physical and chemical properties
9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
</tr>
<tr>
<td>Color</td>
<td>clear</td>
</tr>
<tr>
<td>Form</td>
<td>liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>strong odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>not applicable</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>78 °C (760 hPa)</td>
</tr>
<tr>
<td>Flash point</td>
<td>12.78 °C</td>
</tr>
<tr>
<td>Method</td>
<td>Pensky-Martens C.C.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>no data available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>3.5 %(V)</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>44.0 %(V)</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>74 hPa (22 °C)</td>
</tr>
<tr>
<td>Vapor density</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.8</td>
</tr>
<tr>
<td>Solubility/qualitative</td>
<td>no data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>no data available</td>
</tr>
</tbody>
</table>
Autoignition temperature not determined
Thermal decomposition no data available
Viscosity, dynamic no data available
Viscosity, kinematic no data available

9.2. Other information
Explosiveness Vapors can form explosive mixtures with air.
% VOC (gm/l) 600

10. Stability and reactivity

10.1. Reactivity
No dangerous reaction known under conditions of normal use.

10.2. Chemical stability
Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions No dangerous reactions known.

10.4. Conditions to avoid
Avoid high temperatures and sources of ignition.

10.5. Incompatible materials
Water, oxidizing agents

10.6. Hazardous decomposition products
This product is not stable under normal storage conditions. Product will not undergo hazardous polymerization.

11. Toxicological information

11.1. Information on toxicological effects
Acute oral toxicity Acute toxicity estimate: 909.09 mg/kg Method: Calculation method
Acute inhalation toxicity Acute toxicity estimate: 27.27 mg/l / 4 h / vapor Method: Calculation method
Acute dermal toxicity Acute toxicity estimate: 2727 mg/kg Method: Calculation method
Carcinogenicity assessment Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA.
Further information No toxicological tests have been conducted with the product itself.

Toxicological information on components
Triethoxyisobutylsilane
<table>
<thead>
<tr>
<th>Test Type</th>
<th>Endpoint</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>LD50 Rat: &gt; 5000 mg/kg</td>
<td>Rat</td>
<td>OECD Test Guideline 401</td>
</tr>
<tr>
<td>Acute inhalation toxicity</td>
<td>LC50 Rat: 5.88 mg/l / 4 h / Aerosol</td>
<td>Rat</td>
<td>OECD Test Guideline 403</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>LD50 Rat: &gt; 2000 mg/kg</td>
<td>Rat</td>
<td>OECD Test Guideline 402</td>
</tr>
<tr>
<td>Skin irritation</td>
<td>Rabbit</td>
<td>Rabbit</td>
<td>OECD Test Guideline 404</td>
</tr>
<tr>
<td>Eye irritation</td>
<td>Rabbit</td>
<td>Rabbit</td>
<td>OECD Test Guideline 405</td>
</tr>
<tr>
<td>Sensitization</td>
<td>Maximization test Guinea pig: Does not cause skin sensitization.</td>
<td>Guinea pig</td>
<td>OECD Test Guideline 406</td>
</tr>
<tr>
<td>Repeated dose toxicity</td>
<td>Oral Rat / 28-day NOAEL: &gt; 1000 mg/kg</td>
<td>Rat</td>
<td>OECD Test Guideline 407</td>
</tr>
<tr>
<td>Gentoxicity in vitro</td>
<td>Ames test Salmonella typhimurium negative</td>
<td>Salmonella typhimurium</td>
<td>OECD TG 471</td>
</tr>
<tr>
<td></td>
<td>Chromosome aberration test in vitro Chinese hamster (V 79 -cells) negative</td>
<td>Chinese hamster (V 79 -cells)</td>
<td>OECD TG 473</td>
</tr>
<tr>
<td></td>
<td>Chromosome aberration test in vitro Chinese hamster (CHO K1 -cells) negative</td>
<td>Chinese hamster (CHO K1 -cells)</td>
<td>OECD TG 476</td>
</tr>
<tr>
<td>Gentoxicity in vivo</td>
<td>chromosomal aberration Mouse Oral negative</td>
<td>Mouse Oral</td>
<td>OECD TG 474</td>
</tr>
<tr>
<td>Toxicity to reproduction</td>
<td>Animal model trials have produced no evidence of fertility damage.</td>
<td>Animal model</td>
<td></td>
</tr>
</tbody>
</table>

**Methanol**

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Endpoint</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>Acute toxicity estimate: 100 mg/kg</td>
<td>Rat</td>
<td>Expert judgement</td>
</tr>
<tr>
<td>Acute inhalation toxicity</td>
<td>Acute toxicity estimate: 3 mg/l / vapor</td>
<td>Rat</td>
<td>Expert judgement</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>Acute toxicity estimate: 300 mg/kg</td>
<td>Rat</td>
<td>Expert judgement</td>
</tr>
<tr>
<td>Skin irritation</td>
<td>Rabbit</td>
<td>Rabbit</td>
<td></td>
</tr>
</tbody>
</table>
No skin irritation

**Eye irritation**

Rabbit

No eye irritation

Method: OECD Test Guideline 405

**Sensitization**

Maximization test Guinea pig: Does not cause skin sensitization.

Method: OECD Test Guideline 406

**Repeated dose toxicity**

Oral Monkey

LOAEL: 2340 mg/kg

**Assessment of STOT single exposure**

Assessment: Causes damage to organs.

**Assessment of STOT repeat exposure**

No evidence for hazardous properties

**Risk of aspiration toxicity**

No evidence of aspiration toxicity

**Gentoxicity in vitro**

Ames test Salmonella typhimurium negative

Method: OECD Test Guideline 471

**Gentoxicity in vivo**

chromosomal aberration Mouse intraperitoneal (i.p.) negative

Method: OECD Test Guideline 474

**Teratogenicity assessment**

Potential embryo-foetal toxicity and teratogenicity.

**Human experience**

Liver and kidney injuries may occur.

**Further information**

Material contains methanol. Harmful if inhaled or absorbed through skin; causes damage to liver, kidney and nervous system. Causes eye, skin, nose and throat irritation. May be fatal or cause blindness if swallowed. Cannot be made non-poisonous.

**Ethanol**

**Acute oral toxicity**

LD50 Rat: 7060 mg/kg

RTECS

LD50 Rat: 10470 mg/kg

Method: OECD Test Guideline 401

**Acute inhalation toxicity**

LC50 Rabbit: 117 - 125 mg/l / 4 h / vapor

Method: OECD Test Guideline 403

**Acute dermal toxicity**

LD50 Rabbit: > 20000 mg/kg

**Skin irritation**

Rabbit

not irritating

Method: OECD Test Guideline 404
Eye irritation

Rabbit
not irritating
Method: OECD Test Guideline 405

Sensitization

Local Lymphnode Assay Mouse: No sensitizing effects.
Method: OECD TG 429

Assessment of STOT single exposure
no evidence for hazardous properties

Assessment of STOT repeat exposure
no evidence for hazardous properties

Risk of aspiration toxicity
no evidence of aspiration toxicity

Gentoxicity in vitro

Ames test Salmonella typhimurium
negative
Method: OECD TG 471

Gene mutation TK +/- mouse lymphoma cell (L5178Y)
negative
Method: OECD TG 476

Mutagenicity assessment
This product contains an ingredient that has been shown to produce mutagenic effects in in vivo testing.

Tetraethyl silicate

Acute oral toxicity
LD50 Rat: > 2500 mg/kg
Method: OECD TG 423

LD50 Rat: > 2000 mg/kg
Method: OECD Test Guideline 401 (limit test)

Acute inhalation toxicity
LC50 Rat: 10 - 16 mg/l / 4 h / Aerosol
Method: OECD Test Guideline 403

Skin irritation
Rabbit
Not irritating.
Method: OECD Test Guideline 404

Eye irritation
Rabbit
Not irritating.
Method: OECD Test Guideline 405

Human
Irritating to eyes.

Sensitization
Buehler Test Guinea pig: No sensitizing effects.
Method: OECD Test Guideline 406
Repeated dose toxicity

**Oral Rat**
- **Testing period:** 28 d
- **NOAEL:** 10 mg/kg
- **Method:** OECD TG 422

**Inhalative Mouse**
- **Testing period:** 28 d
- **LOAEL:** 0.43 mg/l
- **Method:** OECD 412

Assessment of STOT single exposure
- **Assessment:** The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

**Gentoxicity in vitro**
- not mutagenic

**Toxicity to reproduction**
- Animal testing did not show any effects on fertility.

**Human experience**
- Liver and kidney injuries may occur.

### 12. Ecological information

#### 12.1. Toxicity
- *no data available*

#### 12.2. Persistence and degradability
- **Biodegradability**
  - *no data available*

#### 12.3. Bioaccumulative potential
- **Bioaccumulation**
  - *no data available*

#### 12.4. Mobility in soil
- **Mobility**
  - *no data available.*

#### 12.5. Other adverse effects
- **Further Information**
  - No ecotoxicological studies are available.

### 13. Disposal considerations

#### 13.1. Waste treatment methods
Product

Waste must be disposed of in accordance with federal, provincial, state and local regulations. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH AN ELECTRIC OR GAS TORCH.

Uncleaned packaging

Packaging material should be recycled or disposed of in accordance with federal, state and local regulations.

14. Transport information

D.O.T. Road/Rail
14.1. UN number: UN 1139
14.2. UN proper shipping name: Coating solution
14.3. Transport hazard class(es): 3
14.4. Packing group: II
14.5. Environmental hazard(s) (Marine pollutant): --
14.6. Special precautions for user: No

Air transport ICAO-TI/IATA-DGR
14.1. UN number: UN 1139
14.2. UN proper shipping name: Coating solution
14.3. Transport hazard class(es): 3
14.4. Packing group: II
14.5. Environmental hazards: --
14.6. Special precautions for user: Yes
   IATA-C: ERG-Code 3L
   IATA-P: ERG-Code 3L

Sea transport IMDG-Code/GGVSee (Germany)
14.1. UN number: UN 1139
14.2. UN proper shipping name: COATING SOLUTION
14.3. Transport hazard class(es): 3
14.4. Packing group: II
14.5. Environmental hazards (Marine pollutant): --
14.6. Special precautions for user: No
   EmS: F-E, S-E

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: for transport approval see regulatory information

15. Regulatory information

US Federal Regulations

OSHA

If listed below, chemical specific standards apply to the product or components:

- None listed
Clean Air Act Section (112)
If listed below, components present at or above the de minimus level are hazardous air pollutants:

- Methanol
  CAS-No. 67-56-1

CERCLA Reportable Quantities
If listed below, a reportable quantity (RQ) applies to the product based on the percent of the named component:

- Methanol
  CAS-No. 67-56-1
  Reportable Quantity 45455 lbs

SARA Title III Section 311/312 Hazard Categories
The product meets the criteria only for the listed hazard classes:

- Acute Health Hazard
- Fire Hazard

SARA Title III Section 313 Reportable Substances
If listed below, components are subject to the reporting requirements of Section 313 of Title I II of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

- Methanol
  CAS-No. 67-56-1

Toxic Substances Control Act (TSCA)
If listed below, non-proprietary substances are subject to export notification under Section 12 (b) of TSCA:

- None listed

State Regulations
The Listing requirements of the Right to Know (RTK) legislation varies by state. All information for NJ, PA, MA and other states can be derived from the listing of hazardous and non-hazardous components in section 2 and 15 of this MSDS.

California Proposition 65
A warning under the California Drinking Water Act is required only if listed below:

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

- Ethanol
  CAS-No. 64-17-5
An employer using HMIS/NFPA labeling must through training ensure that its employees are fully aware of the hazards of the chemicals used.

**HMIS Ratings**

- Health: 2
- Flammability: 3
- Physical Hazard: 1

**NFPA Ratings**

- Health: 2
- Flammability: 3
- Reactivity: 1

### 16. Other information

#### Further information

Revision date: 05/19/2015

Changes since the last version are highlighted in the margin. This version replaces all previous versions. This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. **EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED.** Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.
<table>
<thead>
<tr>
<th>Material no.</th>
<th>Specification</th>
<th>Order number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>141227</td>
<td></td>
</tr>
</tbody>
</table>

**VOC**
Volatile organic compounds

**WHMIS**
Workplace Hazardous Materials Information System

**WHO**
World Health Organization