1. Identification

Product identifier used on the label

T-Maz® 20

Recommended use of the chemical and restriction on use
Recommended use*: Chemical
Suitable for use in industrial sector: chemical industry

* The “Recommended use” identified for this product is provided solely to comply with a Federal requirement and is not part of the seller’s published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
BASF Canada Inc.
100 Milverton Drive
Mississauga, ON L5R 4H1, CANADA

Telephone: +1 289 360-1300

Emergency telephone number

CANUTEC (reverse charges): (613) 996-6666
BASF HOTLINE: (800) 454-COPE (2673)

Other means of identification
Synonyms: Not Available. Usage: Raw material for the chemical-technical industry

2. Hazards Identification

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

Classification of the product

No need for classification according to GHS criteria for this product.

Label elements

The product does not require a hazard warning label in accordance with GHS criteria.
According to Controlled Products Regulations (CPR) (SOR/88-66)

Emergency overview

WARNING:
MAY CAUSE ALLERGIC SKIN REACTION.

3. Composition / Information on Ingredients

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

This product does not contain any components classified as hazardous under the referenced regulation.

According to Controlled Products Regulations (CPR) (SOR/88-66)

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>9005-64-5</td>
<td>100.0 %</td>
<td>Sorbitan monolaurate, ethoxylated</td>
</tr>
</tbody>
</table>

4. First-Aid Measures

Description of first aid measures

General advice:
Immediately remove contaminated clothing.

If inhaled:
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:
Wash affected areas thoroughly with soap and water. Seek medical attention. Remove contaminated clothing.

If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.

Seek medical attention.

If swallowed:
Consult a physician.

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.
5. Fire-Fighting Measures

**Extinguishing media**

Suitable extinguishing media:
- water spray
- dry powder
- foam

**Special hazards arising from the substance or mixture**

Hazards during fire-fighting:
- unburned hydrocarbons
- carbon oxides

**Advice for fire-fighters**

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**
Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

**Further accidental release measures:**

High risk of slipping due to leakage/spillage of product.

**Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing. Information regarding personal protective measures see, section 8.

**Environmental precautions**

**Methods and material for containment and cleaning up**

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).
Dispose of absorbed material in accordance with regulations.
For large amounts: Pump off product.

7. Handling and Storage

**Precautions for safe handling**

No special measures necessary provided product is used correctly.

**Protection against fire and explosion:**

No special precautions necessary.

**Conditions for safe storage, including any incompatibilities**

Segregate from acids and bases. Segregate from strong oxidizing agents.

Suitable materials for containers: Stainless steel 1.4404

Further information on storage conditions: Keep container tightly closed and in a cool place.

8. Exposure Controls/Personal Protection
Personal protective equipment

Respiratory protection:
Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapour/aerosol release.

Hand protection:
Chemical resistant protective gloves
Consult with glove manufacturer for testing data.

Eye protection:
Safety glasses with side-shields.

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form:</td>
<td>liquid</td>
</tr>
<tr>
<td>Odour:</td>
<td>mild</td>
</tr>
<tr>
<td>Colour:</td>
<td>yellow</td>
</tr>
<tr>
<td>pH value:</td>
<td>5 - 7</td>
</tr>
<tr>
<td>Boiling point:</td>
<td>&gt; 149 °C (1,013 hPa)</td>
</tr>
<tr>
<td>Flash point:</td>
<td>&gt; 149 °C (ASTM D93)</td>
</tr>
<tr>
<td>Vapour pressure:</td>
<td>&lt; 1.3 hPa (25 °C)</td>
</tr>
<tr>
<td>Density:</td>
<td>1.1 g/cm³ (25 °C)</td>
</tr>
<tr>
<td>Relative density:</td>
<td>1.1 (25 °C)</td>
</tr>
<tr>
<td>% volatiles:</td>
<td>&lt; 4 %</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>soluble</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

Reactivity
Corrosion to metals:
No corrosive effect on metal.

Chemical stability

Possibility of hazardous reactions
The product is chemically stable.

Conditions to avoid

Incompatible materials

Hazardous decomposition products
Decomposition products:
11. Toxicological information

**Primary routes of exposure**

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

**Acute Toxicity/Effects**

**Acute toxicity**
Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

**Oral**
Type of value: LD50
Species: rat
Value: > 5,000 mg/kg (BASF-Test)

**Dermal**
Type of value: LD50
Species: rabbit
Value: 3,000 mg/kg
Literature data.

**Irritation / corrosion**
Assessment of irritating effects: May cause an allergic skin reaction.

**Skin**
Species: rabbit
Result: non-irritant
Literature data.

**Eye**
Species: rabbit
Result: non-irritant
Literature data.

**Sensitization**
Assessment of sensitization: There is no evidence of a skin-sensitizing potential.

No sensitizing effect.

**Chronic Toxicity/Effects**

**Genetic toxicity**
Assessment of mutagenicity: No mutagenic effect was found in various tests with bacteria and mammalian cell culture.

**Teratogenicity**
Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies.

**Other Information**
12. Ecological Information

Toxicity

Toxicity to fish
LC50 (96 h) approx. 340 mg/l, Leuciscus idus (DIN 38412 Part 15, static)
The details of the toxic effect relate to the nominal concentration.

Aquatic invertebrates
EC50 (48 h) > 10 mg/l, Daphnia magna (static)
Literature data. The details of the toxic effect relate to the nominal concentration.

Aquatic plants
EC50 approx. 100 mg/l (growth rate), Selenastrum capricornutum
The details of the toxic effect relate to the nominal concentration.

Chronic toxicity to aquatic invertebrates
No observed effect concentration (21 d) 10 mg/l, Daphnia magna (static)
Literature data. The details of the toxic effect relate to the nominal concentration.

Persistence and degradability

Assessment biodegradation and elimination (H2O)
Biodegradable.

Elimination information

> 70 % DOC reduction (28 d) (OECD 303A; ISO 11733; 92/69 EEC, V, C.10) (aerobic, activated sludge)

Bioaccumulative potential

Bioaccumulation potential
Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

Additional information

Other ecotoxicological advice:
The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition.

13. Disposal considerations

Waste disposal of substance:
Must be disposed of or incinerated in accordance with local regulations.
Container disposal:
Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport Information

Land transport
TDG
Not classified as a dangerous good under transport regulations

Sea transport
IMDG
Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO
Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:
Chemical DSL, CA released / listed
Cosmetic DSL, CA released / listed

Not WHMIS controlled.

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2015/03/09

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