1 Information of the product and the company undertaking

- **Product identifier**
  
  **Trade name** CLEAR MATTE SUPER DURABLE SM MAT
  
  **Article number:** 38/00088

- **Relevant identified uses of the substance or mixture and uses advised against**
  
  No further relevant information available.

- **Application of the substance / the mixture** Powder coating material

- **Details of the supplier of the safety data sheet**
  
  **Manufacturer/Supplier:**
  
  **USA:**
  TIGER Drylac U.S.A., Inc.
  3865 Swenson Ave
  St. Charles, IL 60174
  Phone: +1 / 630 / 587 2918
  Fax: +1 / 630 / 587 2923

  **Canada:**
  TIGER Drylac Canada Inc.
  110 Southgate Drive
  Guelph, Ontario, N1G 4P5
  Phone: +1 / 519 / 766 4781
  Fax: +1 / 519 / 766 4787

- **Informing department:** Product Safety Department

- **Emergency telephone number:** 24/7:1-800-255-3924; International:+01 or +001-813-248-0585

2 Hazard(s) identification

- **Classification of the substance or mixture**
  
  **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
  
  **Toxic**
  
  May cause heritable genetic damage.
  
  **Harmful**
  
  Harmful by inhalation and if swallowed. Harmful: danger of serious damage to health by prolonged exposure if swallowed.
  
  **Irritant**
  
  Risk of serious damage to eyes. May cause sensitization by skin contact.

- **Information concerning particular hazards for human and environment:**
  
  The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**
  
  The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

- **Label elements**
  
  **Labelling according to EU guidelines:**
  
  The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

  **Code letter and hazard designation of product:**
  
  **Toxic**

  **Hazard-determining components of labeling:**
  
  TGIC

  **Risk phrases:**
  
  May cause heritable genetic damage.
  Also harmful by inhalation and if swallowed.
  Risk of serious damage to eyes.
  May cause sensitization by skin contact.

(Contd. on page 2)
Also harmful: danger of serious damage to health by prolonged exposure if swallowed.

Safety phrases:
Avoid exposure - obtain special instructions before use.
Keep container in a well-ventilated place.
Avoid contact with skin.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable gloves and eye/face protection.
In case of accident or if you feel unwell, seek medical advice immediately.
This material and its container must be disposed of as hazardous waste.

Classification system

NFPA ratings (scale 0-4)

Health = 2
Fire = 1
Reactivity = 1

HMIS-RATINGS (SCALE 0 - 4)

HEALTH
Health = *2
Fire = 1
Reactivity = 1

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

Composition/information on ingredients

Description: Mixtures

Hazardous ingredients:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>% Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2451-62-9</td>
<td>TGIC</td>
<td>10-25%</td>
</tr>
<tr>
<td></td>
<td>T Muta. Cat. 2 R46-23/25; Xn R48/22; Xi R41-43 R52/53</td>
<td></td>
</tr>
<tr>
<td>139-13-9</td>
<td>nitrilotriacetic acid</td>
<td>2.5-10%</td>
</tr>
<tr>
<td></td>
<td>Xn R22</td>
<td></td>
</tr>
<tr>
<td>1643-19-2</td>
<td>tetrabutylammonium bromide</td>
<td>&lt; 2.5%</td>
</tr>
<tr>
<td></td>
<td>Xn R22; Xi R36/37/38</td>
<td></td>
</tr>
</tbody>
</table>

SVHC

2451-62-9 TGIC

Additional information For the wording of the listed risk phrases refer to section 16.

First-aid measures

Description of first aid measures

General information
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation
Supply fresh air and call for doctor for safety reasons.
In case of unconsciousness bring patient into stable side position for transport.

After skin contact Instantly wash with water and soap and rinse thoroughly.

After eye contact Rinse opened eye for several minutes under running water.

After swallowing Instantly call for doctor.
Material Safety Data Sheet
acc. to ISO 11014

Trade name CLEAR MATTE SUPER DURABLE SM MAT

<table>
<thead>
<tr>
<th>Information for doctor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Most important symptoms and effects, both acute and delayed</td>
</tr>
<tr>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>Indication of any immediate medical attention and special treatment needed</td>
</tr>
<tr>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

*5 Fire or explosion hazard*

<table>
<thead>
<tr>
<th>Extinguishing media</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable extinguishing agents</td>
</tr>
<tr>
<td>CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.</td>
</tr>
<tr>
<td>Special hazards arising from the substance or mixture</td>
</tr>
<tr>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>Advice for firefighters</td>
</tr>
<tr>
<td>Protective equipment: Put on breathing apparatus.</td>
</tr>
</tbody>
</table>

*6 Accidental release measures*

<table>
<thead>
<tr>
<th>Personal precautions, protective equipment and emergency procedures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wear protective equipment. Keep unprotected persons away.</td>
</tr>
<tr>
<td>Avoid causing dust.</td>
</tr>
<tr>
<td>Environmental precautions: Do not allow product to reach sewage system or water bodies.</td>
</tr>
<tr>
<td>Methods and material for containment and cleaning up:</td>
</tr>
<tr>
<td>Collect mechanically. Ensure adequate ventilation.</td>
</tr>
<tr>
<td>Reference to other sections</td>
</tr>
<tr>
<td>See Section 7 for information on safe handling</td>
</tr>
<tr>
<td>See Section 8 for information on personal protection equipment.</td>
</tr>
<tr>
<td>See Section 13 for information on disposal.</td>
</tr>
</tbody>
</table>

*7 Handling and storage*

<table>
<thead>
<tr>
<th>Handling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precautions for safe handling</td>
</tr>
<tr>
<td>No special measures required.</td>
</tr>
<tr>
<td>Thorough dedusting.</td>
</tr>
<tr>
<td>Keep containers tightly sealed.</td>
</tr>
<tr>
<td>Ensure good ventilation/exhaustion at the workplace.</td>
</tr>
<tr>
<td>Open and handle container with care.</td>
</tr>
<tr>
<td>Information about protection against explosions and fires:</td>
</tr>
</tbody>
</table>

Keep ignition sources away - Do not smoke.

Keep breathing equipment ready. Dust can combine with air to form an explosive mixture.

<table>
<thead>
<tr>
<th>Conditions for safe storage, including any incompatibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage</td>
</tr>
<tr>
<td>Requirements to be met by storerooms and containers:</td>
</tr>
<tr>
<td>Store only in the original container.</td>
</tr>
<tr>
<td>Static charges may build up in the powder</td>
</tr>
<tr>
<td>Information about storage in one common storage facility: Not required.</td>
</tr>
<tr>
<td>Further information about storage conditions: Keep container tightly sealed.</td>
</tr>
<tr>
<td>Specific end use(s) No further relevant information available.</td>
</tr>
</tbody>
</table>
8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with critical values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Component</th>
<th>Control Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>2451-62-9 TGIC</td>
<td>TLV (U.S.A) Long-term value: 0.05 mg/m³</td>
</tr>
<tr>
<td></td>
<td>EL (Canada) Long-term value: 0.05 mg/m³</td>
</tr>
<tr>
<td></td>
<td>EV (Canada) Long-term value: 0.05 mg/m³</td>
</tr>
</tbody>
</table>

Additional information:
The lists that were valid during the compilation were used as a basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures
Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Store protective clothing separately.
Avoid contact with the eyes.

Breathing equipment:
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

Protection of hands:
Protective gloves.

Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:
Safety Glasses

Body protection: Protective work clothing.

9 Physical data

Information on basic physical and chemical properties

General Information

Appearance:
Form: Solid
Colour: According to Trade Name
Smell: Characteristic
Odour threshold: Not determined
pH-value: Not applicable
Trade name CLEAR MATTE SUPER DURABLE SM MAT

- Change in condition
  - Melting point/Melting range: > 50 C / 120F
  - Boiling point/Boiling range: Not applicable
- Flash point: Not applicable
- Inflammability (solid, gaseous) Not determined
- Ignition temperature: Decomposition temperature: Not determined
- Self-inflammability: Product is not selfigniting.
- Danger of explosion: Product is not explosive. However, formation of explosive air/dust mixtures is possible

- Critical values for explosion:
  - Lower: Not determined.
  - Upper: Not determined.
- Steam pressure: Not applicable.
- Density (Specific gravity) at 20 °C (68 °F) 1.25 g/cm³ (10.431 lbs/gal)
- Relative density Not determined.
- Vapour density Not applicable.
- Evaporation rate Not applicable.
- Solubility in / Miscibility with Water: Unsoluble
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
  - dynamic: Not applicable.
  - kinematic: Not applicable.
- Solvent content:
  - Organic solvents: 0.0 %
  - Solids content: 100.0 %
- Other information No further relevant information available.

### 10 Reactivity data

- Reactivity
- Chemical stability
- Conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: In case of fire: CO, CO2, NOx

### 11 Toxicological data

- Information on toxicological effects
- Acute toxicity:

<table>
<thead>
<tr>
<th>LD/LC50 values that are relevant for classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2451-62-9 TGIC</td>
</tr>
<tr>
<td>Oral</td>
</tr>
<tr>
<td>Dermal</td>
</tr>
<tr>
<td>Inhalative</td>
</tr>
</tbody>
</table>

- Primary irritant effect: 
  - on the skin: No irritant effect.
  - on the eye: No irritant effect.
Material Safety Data Sheet
acc. to ISO 11014

Trade name CLEAR MATTE SUPER DURABLE SM MAT

Sensitization: Sensitization possible by skin contact.

Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant
Harmful
The product can cause inheritable damage.

Carcinogenic categories

IARC (International Agency for Research on Cancer)

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>139-13-9</td>
<td>nitrilotriacetic acid</td>
<td>2B</td>
</tr>
<tr>
<td>112926-00-8</td>
<td>Silicon dioxide</td>
<td>3</td>
</tr>
</tbody>
</table>

NTP (National Toxicology Program)

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>139-13-9</td>
<td>nitrilotriacetic acid</td>
<td>R</td>
</tr>
</tbody>
</table>

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Behaviour in environmental systems:
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:
General notes:
Water danger class 3 (Self-assessment): extremely hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into soil.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:
Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number N/A
ADR, IMDG, IATA N/A
UN proper shipping name N/A
DOT, ADR, IMDG, IATA N/A
Transport hazard class(es)

DOT, IMDG, IATA
Class Not regulated.
Packing group N/A
ADR, IMDG, IATA N/A
Trade name CLEAR MATTE SUPER DURABLE SM MAT

Environmental hazards:
Marine pollutant: No
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

15 Regulatory information

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

SARA (Superfund Amendments and Reauthorization Act):

Section 355 (Extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):
139-13-9 nitrilotriacetic acid

TSCA (Toxic Substances Control Act):
All ingredients are listed.

Proposition 65:

Chemicals known to cause cancer:
139-13-9 nitrilotriacetic acid

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

Cancerogenity categories

EPA (Environmental Protection Agency)
None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

Designation according to EC guidelines:
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

Code letter and hazard designation of product:
Toxic

Hazard-determining components of labeling:
TGIC

Risk phrases:
May cause heritable genetic damage.
Also harmful by inhalation and if swallowed.
Risk of serious damage to eyes.
May cause sensitization by skin contact.
Also harmful: danger of serious damage to health by prolonged exposure if swallowed.

Safety phrases:
Avoid exposure - obtain special instructions before use.
Keep container in a well-ventilated place.
Avoid contact with skin.
Trade name CLEAR MATTE SUPER DURABLE SM MAT

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable gloves and eye/face protection.
In case of accident or if you feel unwell, seek medical advice immediately.
This material and its container must be disposed of as hazardous waste.
Avoid release to the environment. Refer to special instructions/Safety data sheets.

National regulations

Technical instructions (air):

<table>
<thead>
<tr>
<th>Class</th>
<th>Share in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>4.8</td>
</tr>
</tbody>
</table>

Water hazard class:
Water danger class 3 (Self-assessment): extremely hazardous for water.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

* Data compared to the previous version altered.