1 Identification

- **Product identifier**
  - **Product number**: TO9750
  - **Trade name**: DIAMANTE GLOSS POLYURETHANE
    - Application of the substance / the mixture: For professional use

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier**: IVM Chemicals srl
    Viale della Stazione 3 -27020 Parona (PV) Italy tel +39 038425441

  - **1.3.2 Importer**
    Name I.C.& S. DISTRIBUTING CO.
    Address P.O.BOX 10845
    LANCASTER, PA
    USA
    E-Mail: nelson@ics-company.com

  - **Information department**: Environmental Health and safety office
    hseoffice@ivmchemicals.com
  - **Emergency telephone number**: ChemTel Expert Assistance Hotline/MSDS Fax Access by dialing 1-800-255-3924 or for International +1-813-248-0585.

2 Hazard(s) identification

- **Classification of the substance or mixture**

  - GHS02 Flame
    Flam. Liq. 2 H225 Highly flammable liquid and vapor.

  - GHS08 Health hazard
    Carc. 2 H351 Suspected of causing cancer.
    Repr. 2 H361 Suspected of damaging fertility or the unborn child.
    STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.

  - GHS05 Corrosion
    Eye Dam. 1 H318 Causes serious eye damage.

  - GHS07
    Skin Irrit. 2 H315 Causes skin irritation.
    STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

- **Label elements**
  - **GHS label elements**
    The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 2)
Hazard pictograms

GHS02  GHS05  GHS07  GHS08

Signal word: Danger

Hazard-determining components of labeling:
- xylene
- butan-1-ol
- ethylbenzene
- toluene

Hazard statements
- H225: Highly flammable liquid and vapor.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H351: Suspected of causing cancer.
- H361: Suspected of damaging fertility or the unborn child.
- H335-H336: May cause respiratory irritation. May cause drowsiness or dizziness.
- H373: May cause damage to the hearing organs through prolonged or repeated exposure.

Precautionary statements
- P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P303+P361+P353: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310: Immediately call a poison center/doctor.
- P321: Specific treatment (see on this label).
- P362+P364: Take off contaminated clothing and wash it before reuse.
- P405: Store locked up.
- P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:
- NFPA ratings (scale 0 - 4)
  - Health = 3
  - Fire = 3
  - Reactivity = 0

- HMIS-ratings (scale 0 - 4)
  - Health = *3
  - Fire = 3
  - Reactivity = 0

3 Composition/information on ingredients

Chemical characterization: Mixtures
- Description: Mixture: consisting of the following components.
49.0.14

· Dangerous components:

<table>
<thead>
<tr>
<th>Chemical Formula</th>
<th>Concentration</th>
<th>Health Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7 xylene</td>
<td>20-24.99%</td>
<td>Flam. Liq. 3, H226&lt;br&gt;STOT RE 2, H373; Asp. Tox. 1, H304&lt;br&gt;Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335&lt;br&gt;Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>141-78-6 ethyl acetate</td>
<td>10-12.49%</td>
<td>Flam. Liq. 2, H225&lt;br&gt;Eye Irrit. 2A, H319; STOT SE 3, H336</td>
</tr>
<tr>
<td>100-41-4 ethylbenzene</td>
<td>5-9.99%</td>
<td>Flam. Liq. 2, H225&lt;br&gt;Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304&lt;br&gt;Acute Tox. 4, H332</td>
</tr>
<tr>
<td>78-93-3 butanone</td>
<td>2.5-4.99%</td>
<td>Flam. Liq. 2, H225&lt;br&gt;Eye Irrit. 2A, H319; STOT SE 3, H336</td>
</tr>
<tr>
<td>71-36-3 butanol</td>
<td>1-2.49%</td>
<td>Flam. Liq. 3, H226&lt;br&gt;Eye Dam. 1, H318&lt;br&gt;Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336</td>
</tr>
<tr>
<td>78-83-1 2-methylpropan-1-ol</td>
<td>1-2.49%</td>
<td>Flam. Liq. 3, H226&lt;br&gt;Eye Dam. 1, H318&lt;br&gt;Skin Irrit. 2, H315; STOT SE 3, H335-H336</td>
</tr>
<tr>
<td>108-88-3 toluene</td>
<td>1-2.49%</td>
<td>Flam. Liq. 2, H225&lt;br&gt;Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304&lt;br&gt;Skin Irrit. 2, H315; STOT SE 3, H336&lt;br&gt;Aquatic Chronic 3, H412</td>
</tr>
</tbody>
</table>

4 First-aid measures

· Description of first aid measures
  · General information:
    Immediately remove any clothing soiled by the product.
    Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
    Personal protective equipment for first aid responders is recommended. (please see section 8)
  · After inhalation:
    In case of unconsciousness place patient stably in side position for transportation.
  · After skin contact:
    Immediately wash with water and soap and rinse thoroughly.
    Take off immediately all contaminated clothing, include underwear and shoes (if necessary).
    Rinse thoroughly with plenty of water for at least 20 minutes and take medical advice. If medical advise is needed have products container or label at hand.

(Contd. on page 4)
5 Fire-fighting measures

- **Extinguishing media**
  - Suitable extinguishing agents: Alcohol resistant foam, CO, powder, water spray/mist.
  - For safety reasons unsuitable extinguishing agents:
    - Do not use a jet water stream as it may scatter and spread fire.

- **Special hazards arising from the substance or mixture**
  During heating or in case of fire poisonous gases are produced.

- **Advice for firefighters**
  Cool by spraying with water the containers to prevent product decomposition and the development of substances potentially hazardous for health and also, in the case of closed containers exposed to flames to prevent explosions.
  - Protective equipment:
    - Hardhat with visor, fireproof clothing, suitable gloves and if necessary respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  Mount respiratory protective device.
  Wear protective equipment. Keep unprotected persons away.
  Ensure adequate ventilation
  Keep away from ignition sources

- **Environmental precautions**: Do not allow to enter sewers/surface or ground water.

- **Methods and material for containment and cleaning up**:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Use neutralizing agent.
  Dispose contaminated material as waste according to Section 13.
  Ensure adequate ventilation.

- Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

- **Protective Action Criteria for Chemicals**

<table>
<thead>
<tr>
<th>PAC-1:</th>
<th>ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7 xylene</td>
<td>130</td>
</tr>
<tr>
<td>141-78-6 ethyl acetate</td>
<td>1,200</td>
</tr>
<tr>
<td>110-19-0 isobutyl acetate</td>
<td>450</td>
</tr>
<tr>
<td>108-65-6 2-methoxy-1-methylethyl acetate</td>
<td>50</td>
</tr>
<tr>
<td>100-41-4 ethylbenzene</td>
<td>33</td>
</tr>
</tbody>
</table>
## 7 Handling and storage

### Handling:

- **Precautions for safe handling**
  - Ensure good ventilation/exhaustion at the workplace.
  - Open and handle receptacle with care.
  - Prevent formation of aerosols.
  - Protect against electrostatic charges.
  - Keep respiratory protective device available.
  - Use explosion-proof apparatus / fittings and spark-proof tools.

- **Information about protection against explosions and fires**
  - Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.
  - Keep respiratory protective device available.
### Conditions for safe storage, including any incompatibilities

- **Storage:**
  - **Requirements to be met by storerooms and receptacles:**
    - Store in a cool, well-ventilated area, away from heat and sources of ignition.
    - Provide solvent resistant, sealed floor.
  - **Observe the label precautions, the expiration date for the use, if not indicated, is from delivery date of goods.**
  - **In cases where there is no reported expiration date, it means that the product must be used within 8 months.**
  - **Information about storage in one common storage facility:** Not required.
  - **Further information about storage conditions:**
    - Keep receptacle tightly sealed.
    - Store in cool, dry conditions in well-sealed receptacles.

#### Specific end use(s)
Those typical of the product and the instructions in the data sheet if required.

### 8 Exposure controls/personal protection

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

#### Control parameters

- **Components with limit values that require monitoring at the workplace:**
  The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
  At this time, the other constituents have no known exposure limits.

<table>
<thead>
<tr>
<th>Constituent (CAS#)</th>
<th>PEL (USA)</th>
<th>REL (USA)</th>
<th>TLV (USA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-78-6 ethyl acetate</td>
<td>Long-term value: 1400 mg/m³, 400 ppm</td>
<td>Long-term value: 1400 mg/m³, 400 ppm</td>
<td>Long-term value: 1440 mg/m³, 400 ppm</td>
</tr>
<tr>
<td>110-19-0 isobutyl acetate</td>
<td>Long-term value: 700 mg/m³, 150 ppm</td>
<td>Long-term value: 700 mg/m³, 150 ppm</td>
<td>Long-term value: 712 mg/m³, 150 ppm</td>
</tr>
<tr>
<td>108-65-6 2-methoxy-1-methylethyl acetate</td>
<td>Long-term value: 50 ppm</td>
<td>Long-term value: 50 ppm</td>
<td>Long-term value: 238 mg/m³, 50 ppm</td>
</tr>
<tr>
<td>100-41-4 ethylbenzene</td>
<td>Long-term value: 435 mg/m³, 100 ppm</td>
<td>Short-term value: 545 mg/m³, 125 ppm</td>
<td>Long-term value: 435 mg/m³, 100 ppm</td>
</tr>
<tr>
<td>78-93-3 butanone</td>
<td>Long-term value: 590 mg/m³, 200 ppm</td>
<td>Short-term value: 885 mg/m³, 300 ppm</td>
<td>Long-term value: 590 mg/m³, 200 ppm</td>
</tr>
</tbody>
</table>

(Contd. on page 7)
### Chemicals with Biological Limit Values

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>BEI (USA)</th>
<th>Measurement</th>
<th>Limit Value</th>
<th>Medium</th>
<th>Time</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1.5 g/g creatinine</td>
<td>urine</td>
<td>end of shift</td>
<td>Methylhippuric acids</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>0.7 g/g creatinine</td>
<td>urine</td>
<td>end of shift at end of workweek</td>
<td>Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>butanone</td>
<td>2 mg/L</td>
<td>urine</td>
<td>end of shift</td>
<td>MEK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>toluene</td>
<td>0.02 mg/L</td>
<td>blood</td>
<td>prior to last shift of workweek</td>
<td>Toluene</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.03 mg/L</td>
<td>urine</td>
<td>end of shift</td>
<td>Toluene</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.3 mg/g creatinine</td>
<td>urine</td>
<td>end of shift</td>
<td>o-Cresol with hydrolysis (background)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Additional Information

- The lists that were valid during the creation were used as basis.

(Contd. on page 8)
49.0.14

·Exposure controls

·Personal protective equipment:

·General protective and hygienic measures:
  Keep away from foodstuffs, beverages and feed.
  Immediately remove all soiled and contaminated clothing.
  Wash hands before breaks and at the end of work.
  Store protective clothing separately.
  Avoid contact with the skin.
  Avoid contact with the eyes and skin.
  Pregnant women should strictly avoid inhalation or skin contact.

·Breathing equipment:
  In case of brief exposure or low pollution use respiratory filter device. In case of intensive or
  longer exposure use respiratory protective device that is independent of circulating air.

·Protection of hands:

Protective gloves

Due to missing tests no recommendation to the glove material can be given for the product.
Selection of the glove material on consideration of the penetration times, rates of diffusion
and the degradation
The glove material has to be impermeable and resistant to the product.

·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:

Tightly sealed goggles

9 Physical and chemical properties

·Information on basic physical and chemical properties

·General Information
  ·Appearance:
    ·Form: Fluid
    ·Color: According to product specification
  ·Odor: Characteristic
  ·Odor threshold: Not determined.
  ·pH-value: Not determined.

·Change in condition
  ·Melting point/Melting range: Undetermined.
  ·Boiling point/Boiling range: 77 °C (170.6 °F)

·Flash point: -4 °C (24.8 °F)
**49.0.14**

- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 315 °C (599 °F)
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

**Explosion limits:**
- Lower: 1 Vol %
- Upper: 12 Vol %

- **Vapor pressure at 20 °C (68 °F):** 105 hPa (78.8 mm Hg)
- **Density (+/- 0.03) at 20 °C (68 °F):** 0.959 g/cm³ (8.003 lbs/gal)
  - **Relative density:** Not determined.
  - **Vapor density:** Not determined.
  - **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with**
  - Water: Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic: Not determined.
  - Kinematic at 20 °C (68 °F): 25 s (ISO 6 mm)
- **Oxidising properties:** N.A.
- **Solvent content:**
  - VOC content: 64.38 %
  - 617.4 g/l / 5.15 lb/gal
- **Solids content:** 35.6 %

**Other information (HAPS) No further relevant information available.**

1330-20-7 xylene 20-24.99%
100-41-4 ethylbenzene 5-9.99%
108-88-3 toluene 1-2.49%

**Other information No further relevant information available.**

### 10 Stability and reactivity

- **Reactivity** typical of the product as indicated in the data sheet
- **Chemical stability** The product is stable in normal conditions of storage and use recommended
  - **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**
  Reacts with strong acids and oxidizing agents.
  Vapours may form explosive mixtures with air
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
  in case of possible formation of combustion:
### 11 Toxicological information

#### Information on toxicological effects

- **Acute toxicity:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalative LC50/4h</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7 xylene</td>
<td>3,523 mg/kg (mouse)</td>
<td>12,126 mg/kg (rabbit)</td>
<td>27.571 mg/l (mouse)</td>
</tr>
<tr>
<td>141-78-6 ethyl acetate</td>
<td>4,934 mg/kg (rabbit)</td>
<td>20,001 mg/kg (rabbit)</td>
<td>1,600 mg/l (mouse)</td>
</tr>
<tr>
<td>110-19-0 isobutyl acetate</td>
<td>13,400 mg/kg (mouse)</td>
<td>17,401 mg/kg (rabbit)</td>
<td>31 mg/l (mouse)</td>
</tr>
<tr>
<td>108-65-6 2-methoxy-1-methylethyl acetate</td>
<td>8,532 mg/kg (mouse)</td>
<td>5,001 mg/kg (rabbit)</td>
<td>35.7 mg/l (mouse)</td>
</tr>
<tr>
<td>100-41-4 ethylbenzene</td>
<td>3,500 mg/kg (mouse)</td>
<td>15,486 mg/kg (rabbit)</td>
<td>17.2 mg/l (mouse)</td>
</tr>
<tr>
<td>78-93-3 butanone</td>
<td>2,001 mg/kg (mouse)</td>
<td>5,001 mg/kg (rabbit)</td>
<td>21 mg/l (mouse)</td>
</tr>
<tr>
<td>71-36-3 butan-1-ol</td>
<td>790 mg/kg (mouse)</td>
<td>3,400 mg/kg (rabbit)</td>
<td>8,000 mg/l (mouse)</td>
</tr>
<tr>
<td>78-83-1 2-methylpropan-1-ol</td>
<td>2,460 mg/kg (mouse)</td>
<td>3,400 mg/kg (rabbit)</td>
<td>19.2 mg/l (mouse)</td>
</tr>
<tr>
<td>108-88-3 toluene</td>
<td>5,000 mg/kg (mouse)</td>
<td>12,124 mg/kg (rabbit)</td>
<td>25.7 mg/l (mouse)</td>
</tr>
</tbody>
</table>
· Primary irritant effect:
  · on the skin: Irritant to skin and mucous membranes.
  · on the eye:
    Strong caustic effect.
    Strong irritant with the danger of severe eye injury.
· Sensitization: No sensitizing effects known.

· Additional toxicological information:
  Irritant
  Causes skin irritation.
  Causes serious eye damage.
  May cause respiratory irritation.
  May cause drowsiness or dizziness.
  May cause damage to the hearing organs through prolonged or repeated exposure.
  If medical advice is needed, have product container or label at hand.
  Keep out of reach of children.
  Read label before use.

· Carcinogenic categories
  Ethylbenzene
  From IARC MONOGRAPHS VOLUME 77/2000
  Human carcinogenicity data
  Two studies of workers potentially exposed to ethylbenzene in a production plant and a styrene polymerization plant were available. In the first study, no excess of cancer incidence was found but the description of methods was insufficient to allow proper evaluation of this finding. In the second study, no cancer mortality excess was observed during the follow-up of 15 years.

  Evaluation
  There is inadequate evidence in humans for the carcinogenicity of ethylbenzene. There is sufficient evidence in experimental animals for the carcinogenicity of ethylbenzene.

  · IARC (International Agency for Research on Cancer - Cl. 1 and 2)
    100-41-4 ethylbenzene 2B

  · NTP (National Toxicology Program)
    None of the ingredients is listed.

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

12 Ecological information

· Toxicity
  · Aquatic toxicity:

  | 1330-20-7 xylene |  |
  | EC50 2.2 mg/l (algae) (72h) |
  | LC50 48h 1 mg/l (daphnia) |
  | LC50 (96h) 2.6 mg/l (Fish) |

  | 141-78-6 ethyl acetate |  |
  | EC50 165 mg/l (daphnia) (48 h) |
  | LC50 (96h) 230 mg/l (Fish) |

  | 110-19-0 isobutyl acetate |  |
  | EC50 370 mg/l (algae) (72 h) |
### Safety Data Sheet
acc. to OSHA HCS

**Product number TO9750**
**Trade name:** DIAMANTE GLOSS POLYURETHANE

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance Name</th>
<th>EC50 (mg/l)</th>
<th>LC50 (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-65-6</td>
<td>2-methoxy-1-methylethyl acetate</td>
<td>1,001</td>
<td>134</td>
</tr>
<tr>
<td>100-41-4</td>
<td>ethylbenzene</td>
<td>438</td>
<td>12.1</td>
</tr>
<tr>
<td>78-93-3</td>
<td>butanone</td>
<td>2,029</td>
<td>2,993</td>
</tr>
<tr>
<td>108-88-3</td>
<td>toluene</td>
<td>1,799</td>
<td>1,430</td>
</tr>
</tbody>
</table>

#### Persistence and degradability
Data refers to the substance Toluene CAS No. 108-88-3
Readily biodegradable (according to OECD criteria and/or EU RAR)

#### Substances Easily biodegradable

- 1330-20-7 xylene
- 141-78-6 ethyl acetate
- 110-19-0 isobutyl acetate
- 108-65-6 2-methoxy-1-methylethyl acetate
- 100-41-4 ethylbenzene
- 78-93-3 butanone
- 78-83-1 2-methylpropan-1-ol
- 108-88-3 toluene

#### Behavior in environmental systems:
- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.

#### Additional ecological information:
- General notes:
  - Water hazard class 2 (Self-assessment): hazardous for water
  - Do not allow product to reach ground water, water course or sewage system.
  - Must not reach bodies of water or drainage ditch undiluted or unneutralized.
  - Danger to drinking water if even small quantities leak into the ground.
- 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.
    Hand over to hazardous waste disposers.
    Dispose of contents and container in accordance with local state and federal regulations.

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

14 Transport information

- UN-Number
  - DOT NA1263
  - IMDG, IATA UN1263

- UN proper shipping name
  - DOT Paint
  - IMDG, IATA PAINT

- Transport hazard class(es)
  - DOT
    - Class 3 Flammable liquids
    - Label 3

  - IMDG, IATA
    - Class 3 Flammable liquids
    - Label 3

- Packing group
  - DOT, IMDG, IATA II

- Environmental hazards:
  - Marine pollutant: No

- Special precautions for user
  - Warning: Flammable liquids
    - Danger code (Kepler): 33
    - EMS Number: F-E,S-E
    - Stowage Category B

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
  - Not applicable.
Transport/Additional information:

- IMDG
  - Limited quantities (LQ)
  - Excepted quantities (EQ)

- UN "Model Regulation":

**15 Regulatory information**

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

Requirements of Federal Register
- SARA
  - Section 355 (extremely hazardous substances):
    None of the ingredients is listed.
  - Section 313 (Specific toxic chemical listings):
    | Chemical          | Concentration |
    |-------------------|---------------|
    | 1330-20-7 xylene  | 20-24.99%     |
    | 100-41-4 ethylbenzene | 5-9.99%       |
    | 78-93-3 butanone  | 2.5-4.99%     |
    | 71-36-3 butan-1-ol | 1-2.49%       |
    | 108-88-3 toluene  | 1-2.49%       |
- TSCA (Toxic Substances Control Act):
  All components have the value ACTIVE.
- Hazardous Air Pollutants
<table>
<thead>
<tr>
<th>Chemical</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7 xylene</td>
<td></td>
</tr>
<tr>
<td>100-41-4 ethylbenzene</td>
<td></td>
</tr>
<tr>
<td>108-88-3 toluene</td>
<td></td>
</tr>
</tbody>
</table>
- Proposition 65
  - Chemicals known to cause cancer:
    | Chemical          | Concentration |
    |-------------------|---------------|
    | 100-41-4 ethylbenzene | 5-9.99%       |
  - Chemicals known to cause reproductive toxicity for females:
    | Chemical          | Concentration |
    |-------------------|---------------|
    | 70657-70-4 2-methoxypropyl acetate | <0.1%         |
  - Chemicals known to cause reproductive toxicity for males:
    None of the ingredients is listed.
  - Chemicals known to cause developmental toxicity:
    | Chemical          | Concentration |
    |-------------------|---------------|
    | 108-88-3 toluene  | 1-2.49%       |
- Carcinogenic categories
<table>
<thead>
<tr>
<th>EPA (Environmental Protection Agency)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7 xylene</td>
</tr>
<tr>
<td>100-41-4 ethylbenzene</td>
</tr>
<tr>
<td>78-93-3 butanone</td>
</tr>
</tbody>
</table>
Product number TO9750
Trade name: DIAMANTE GLOSS POLYURETHANE

71-36-3 butan-1-ol
108-88-3 toluene

· TLV (Threshold Limit Value established by ACGIH)

1330-20-7 xylene 
100-41-4 ethylbenzene
108-88-3 toluene

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

National regulations:
The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Other information
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: IVM Chemicals Srl
Contact: See emergency phone

Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Carc. 2: Carcinogenicity – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Sources
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL and following amendments

Agency ECHA website
INRS Fiche Toxicologique
IARC International agency for research on cancer