1 Identification

- **Product identifier**
  - **Product number**: PL800/05
  - **Trade name**: **WHITE POLYURETHANE 5 SH FINISH**
    - 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.
  - GHS07
  - Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
  - **GHS label elements**
    - The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms**
    - GHS02 GHS07 GHS08

- **Signal word** Danger

(Contd. on page 2)
Hazard-determining components of labeling:
xylene
ethylbenzene
toluene

Hazard statements
H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
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.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
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.
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 = 2
Fire = 3
Reactivity = 0

- HMIS-ratings (scale 0 - 4)

HEALTH

Health = 2

FIRE

Fire = 3

REACTIVITY

Reactivity = 0

3 Composition/information on ingredients

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

Dangerous components:

<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isobutyl acetate</td>
<td>10.129%</td>
</tr>
<tr>
<td><strong>Flam. Liq. 2, H225</strong></td>
<td></td>
</tr>
<tr>
<td><strong>STOT SE 3, H336</strong></td>
<td></td>
</tr>
<tr>
<td>Xylene</td>
<td>5.999%</td>
</tr>
<tr>
<td><strong>Flam. Liq. 3, H226</strong></td>
<td></td>
</tr>
<tr>
<td><strong>STOT RE 2, H373; Asp. Tox. 1, H304</strong></td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335</td>
<td></td>
</tr>
<tr>
<td>Butanone</td>
<td>5.999%</td>
</tr>
<tr>
<td><strong>Flam. Liq. 2, H225</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Eye Irrit. 2A, H319; STOT SE 3, H336</strong></td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>1.249%</td>
</tr>
<tr>
<td><strong>Flam. Liq. 2, H225</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304</strong></td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 4, H332</td>
<td></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: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Immediately rinse with water.
  - After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - After swallowing: Do not induce vomiting; immediately call for medical help.
  - Information for doctor:
    - Most important symptoms and effects, both acute and delayed
      For symptoms and effects caused by substances, refer to Section 11. No further relevant information available.
    - Indication of any immediate medical attention and special treatment needed
      No further relevant information available.

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.
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).
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>Substance Code</th>
<th>Substance Name</th>
<th>PAC-1 Concentration</th>
<th>PAC-2 Concentration</th>
<th>PAC-3 Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-19-0</td>
<td>isobutyl acetate</td>
<td>450 ppm</td>
<td>1300 ppm</td>
<td>7500 ppm</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>130 ppm</td>
<td>920 ppm</td>
<td>560 ppm</td>
</tr>
<tr>
<td>7631-86-9</td>
<td>silicon dioxide, chemically prepared</td>
<td>18 mg/m³</td>
<td>740 mg/m³</td>
<td>170 mg/m³</td>
</tr>
<tr>
<td>78-93-3</td>
<td>butanone</td>
<td>200 ppm</td>
<td>2700 ppm</td>
<td>560 ppm</td>
</tr>
<tr>
<td>471-34-1</td>
<td>calcium carbonate</td>
<td>45 mg/m³</td>
<td>210 mg/m³</td>
<td>170 mg/m³</td>
</tr>
<tr>
<td>100-41-4</td>
<td>ethylbenzene</td>
<td>33 ppm</td>
<td>1100 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>123-86-4</td>
<td>n-butyl acetate</td>
<td>5 ppm</td>
<td>200 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>141-78-6</td>
<td>ethyl acetate</td>
<td>1200 ppm</td>
<td>1700 ppm</td>
<td></td>
</tr>
<tr>
<td>108-88-3</td>
<td>toluene</td>
<td>67 ppm</td>
<td>560 ppm</td>
<td></td>
</tr>
<tr>
<td>9002-88-4</td>
<td>Polyethylene low density</td>
<td>16 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>108-65-6</td>
<td>2-methoxy-1-methylethyl acetate</td>
<td>50 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Contd. on page 5)
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.
### Ingredient Safety Data Sheet

**Product number PL800/05**  
**Trade name:** WHITE POLYURETHANE 5 SH FINISH

### 110-19-0 Isobutyl acetate
- **PEL (USA)**: Long-term value: 700 mg/m³, 150 ppm
- **REL (USA)**: Long-term value: 700 mg/m³, 150 ppm
- **TLV (USA)**: Short-term value: 712 mg/m³, 150 ppm  
  Long-term value: 238 mg/m³, 50 ppm

### 78-93-3 Butanone
- **PEL (USA)**: Long-term value: 590 mg/m³, 200 ppm
- **REL (USA)**: Short-term value: 885 mg/m³, 300 ppm  
  Long-term value: 590 mg/m³, 200 ppm  
  Long-term value: 885 mg/m³, 300 ppm  
  Long-term value: 590 mg/m³, 200 ppm  
  BEI

### 100-41-4 Ethylbenzene
- **PEL (USA)**: Long-term value: 435 mg/m³, 100 ppm
- **REL (USA)**: Short-term value: 545 mg/m³, 125 ppm  
  Long-term value: 435 mg/m³, 100 ppm
- **TLV (USA)**: Long-term value: 87 mg/m³, 20 ppm  
  BEI

### 123-86-4 n-Butyl Acetate
- **PEL (USA)**: Long-term value: 710 mg/m³, 150 ppm
- **REL (USA)**: Short-term value: 950 mg/m³, 200 ppm  
  Long-term value: 710 mg/m³, 150 ppm
- **TLV (USA)**: Short-term value: 712 mg/m³, 150 ppm  
  Long-term value: 238 mg/m³, 50 ppm

### 141-78-6 Ethyl Acetate
- **PEL (USA)**: Long-term value: 1400 mg/m³, 400 ppm
- **REL (USA)**: Long-term value: 1400 mg/m³, 400 ppm
- **TLV (USA)**: Long-term value: 1440 mg/m³, 400 ppm

### Ingredients with biological limit values:

#### 1330-20-7 Xylene
- **BEI (USA)**: 1.5 g/g creatinine  
  Medium: urine  
  Time: end of shift  
  Parameter: Methylhippuric acids

#### 78-93-3 Butanone
- **BEI (USA)**: 2 mg/L  
  Medium: urine  
  Time: end of shift  
  Parameter: MEK
100-41-4 ethylbenzene

**BEI (USA)** 0.7 g/g creatinine
- **Medium:** urine
  - **Time:** end of shift at end of workweek
  - **Parameter:** Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)

- **Medium:** end-exhaled air
  - **Time:** not critical
  - **Parameter:** Ethyl benzene (semi-quantitative)

108-88-3 toluene

**BEI (USA)** 0.02 mg/L
- **Medium:** blood
  - **Time:** prior to last shift of workweek
  - **Parameter:** Toluene

0.03 mg/L
- **Medium:** urine
  - **Time:** end of shift
  - **Parameter:** Toluene

0.3 mg/g creatinine
- **Medium:** urine
  - **Time:** end of shift
  - **Parameter:** o-Cresol with hydrolysis (background)

**Additional information:** The lists that were valid during the creation were used as basis.

**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 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.
9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:** Fluid
    - **Form:** According to product specification
    - **Color:** Characteristic
    - **Odor:** 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)
  - **Flammability (solid, gaseous):** Not applicable.
  - **Ignition temperature:** 370 °C (698 °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:** 11.5 Vol %
  - **Vapor pressure at 20 °C (68 °F):** 105 hPa (78.8 mm Hg)
  - **Density (+/- 0,03) at 20 °C (68 °F):** 1.305 g/cm³ (10.89 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):** 55 s (ISO 6 mm)
  - **Oxidising properties:** N.A.

(Contd. of page 7)
Solvent content:
- Water: 0.0 %
- VOC content: 29.87 %
  389.8 g/l / 3.25 lb/gal
- Solids content: 70.1 %

Other information (HAPS)
No further relevant information available.

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:
  Carbon monoxide and carbon dioxide

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values that are relevant for classification:
      110-19-0 isobutyl acetate
      Oral LD50 13,400 mg/kg (mouse)
      Dermal LD50 17,401 mg/kg (rabbit)
      Inhalative LC50/4 h 31 mg/l (mouse)
      1330-20-7 xylene
      Oral LD50 3,523 mg/kg (mouse)
      Dermal LD50 12,126 mg/kg (rabbit)
      Inhalative LC50/4h 27.571 mg/l (mouse)
      78-93-3 butanone
      Oral LD50 2,001 mg/kg (mouse)
      Dermal LD50 5,001 mg/kg (rabbit)
      Inhalative LC50/4 h 21 mg/l (mouse)
      100-41-4 ethylbenzene
      Oral LD50 3,500 mg/kg (mouse)
Trade name: WHITE POLYURETHANE 5 SH FINISH

<table>
<thead>
<tr>
<th>Substance</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalative LC50/4 h</th>
<th>Dermal LC0</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-butyl acetate</td>
<td>10,760 mg/kg (mouse)</td>
<td>14,000 mg/kg (rabbit)</td>
<td>21.1 mg/l (mouse)</td>
<td>123-86-4</td>
</tr>
<tr>
<td>ethyl acetate</td>
<td>4,934 mg/kg (rabbit)</td>
<td>20,001 mg/kg (rabbit)</td>
<td>1,600 mg/l (mouse)</td>
<td>141-78-6</td>
</tr>
<tr>
<td>toluene</td>
<td>5,000 mg/kg (mouse)</td>
<td>12,124 mg/kg (rabbit)</td>
<td>25.7 mg/l (mouse)</td>
<td>108-88-3</td>
</tr>
<tr>
<td>ethanol</td>
<td>10,470 mg/kg (mouse)</td>
<td>20,000 mg/kg (rabbit)</td>
<td>124.7 mg/l (mouse)</td>
<td>64-17-5</td>
</tr>
</tbody>
</table>

**Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.

**Additional toxicological information:**
- Irritant
- Causes serious eye irritation.
- Contains Fatty acids, tallow, oleylamine compounds. May produce an allergic reaction.
- **Carcinogenic categories**
  - Titanium dioxide
    - IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."
  - 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)**

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
<th>Cl.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>2B - DUST</td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>100-41-4</td>
<td>2B</td>
</tr>
</tbody>
</table>
## 12 Ecological information

### Toxicity

#### Aquatic toxicity:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC50 (mg/l)</th>
<th>LC50 (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-19-0 isobutyl acetate</td>
<td>370 (algae, 72h)</td>
<td>25 (daphnia)</td>
</tr>
<tr>
<td>1330-20-7 xylene</td>
<td>2.2 (algae, 72h)</td>
<td>1 (daphnia)</td>
</tr>
<tr>
<td>78-93-3 butanone</td>
<td>2.029 (algae, 96h)</td>
<td>308 (daphnia, 48h)</td>
</tr>
<tr>
<td>100-41-4 ethylbenzene</td>
<td>438 (algae, 72h)</td>
<td>1.8 (daphnia, 48h)</td>
</tr>
<tr>
<td>123-86-4 n-butyl acetate</td>
<td>397 (algae, 72h)</td>
<td>44 (daphnia, 48h)</td>
</tr>
<tr>
<td>141-78-6 ethyl acetate</td>
<td>165 (daphnia, 48h)</td>
<td>230 (Fish)</td>
</tr>
<tr>
<td>108-88-3 toluene</td>
<td>134 (algae, 96h)</td>
<td>3.78 (daphnia, 48h)</td>
</tr>
<tr>
<td>64-17-5 ethanol</td>
<td>5,012 (daphnia, 48h)</td>
<td>15.3 (Fish)</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)

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC50 (mg/l)</th>
<th>LC50 (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-19-0 isobutyl acetate</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## 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.
  - 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
  - **Class**: 3 Flammable liquids
49.0.14
· Label
· IMDG, IATA

3
· Class
3 Flammable liquids
· Label
3

· Packing group
· DOT, IMDG, IATA
· Packing group
· IMDG, IATA
III

· Environmental hazards:
· Marine pollutant:
No

· Special precautions for user
· Warning: Flammable liquids
· Danger code (Kemler):
· EMS Number:
F-E,S-E
· Stowage Category
A

· Transport in bulk according to Annex II of
MARPOL 73/78 and the IBC Code
Not applicable.

· Transport/Additional information:
· IMDG
· Limited quantities (LQ)
5L
· Code:
E1
· Exempted quantities (EQ)
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":
UN 1263 PAINT, 3, III

15 Regulatory information

· SARA
· Section 355 (extremely hazardous substances):
None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):
1330-20-7 xylene 5-9.99%
78-93-3 butanone 5-9.99%
100-41-4 ethylbenzene 1-2.49%
108-88-3 toluene 1-2.49%
78-93-3 butanone <0.01%
67-63-0 propan-2-ol <0.01%

· TSCA (Toxic Substances Control Act):
All components have the value ACTIVE.

· Hazardous Air Pollutants
1330-20-7 xylene
100-41-4 ethylbenzene

(Contd. on page 14)
Proposition 65

Chemicals known to cause cancer:
- Titanium dioxide only in bound form

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:
- Toluene 1-2.49%
- Ethanol <0.5%

Carcinogenic categories

EPA (Environmental Protection Agency)
- Xylene I 5-9.99%
- Butanone I 5-9.99%
- Ethylbenzene D 1-2.49%
- Toluene II 1-2.49%
- Butanone I <0.01%

TLV (Threshold Limit Value established by ACGIH)
- Titanium dioxide C.I. 77891 Pigment white 6 A4
- Xylene A4
- Talc (Mg3H2(SiO3)4) A4
- Ethylbenzene A3
- Toluene A4
- Ethanol A3
- Propan-2-ol A4

NIOSH-Ca (National Institute for Occupational Safety and Health)
- Titanium dioxide C.I. 77891 Pigment white 6 25-29.99%

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
Date of preparation / last revision 07/19/2019 / 8
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 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 web site
INRS Fiche Toxicologique
IARC International agency for research on cancer