1 Identification

- **Product identifier**
  - **Product number**: TP60
  - **Trade name**: CLEAR WET-LOOK POLY GLOSS
    - 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.
    - STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.
  - GHS07
    - Skin Irrit. 2 H315 Causes skin irritation.
    - Eye Irrit. 2A H319 Causes serious eye irritation.
    - STOT SE 3 H335 May cause respiratory irritation.
  - Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **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

Hazard-determining components of labeling:
xylene
ethylbenzene

Hazard statements
H225 Highly flammable liquid and vapor.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H335 May cause respiratory irritation.
H373 May cause damage to the hearing organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

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 2  Health = 2
FIRE 3  Fire = 3
REACTIVITY 0  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>Code</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>30-49.99%</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 advise. If medical advise is needed have products container or label at hand.
  - 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 product to reach sewage system or any water course.
  Inform respective authorities in case of seepage into water course or sewage system.
  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>PAC-1:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>130 ppm</td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>33 ppm</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate</td>
<td>50 ppm</td>
</tr>
<tr>
<td>isobutyl acetate</td>
<td>450 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PAC-2:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>920* ppm</td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>1100* ppm</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate</td>
<td>1,000 ppm</td>
</tr>
<tr>
<td>isobutyl acetate</td>
<td>1300* ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PAC-3:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>2500* ppm</td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>1800* ppm</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate</td>
<td>5000* ppm</td>
</tr>
<tr>
<td>isobutyl acetate</td>
<td>7500** ppm</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.
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 remaining constituent has no known exposure limits.

<table>
<thead>
<tr>
<th>100-41-4 ethylbenzene</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEL (USA)</strong></td>
</tr>
<tr>
<td><strong>REL (USA)</strong></td>
</tr>
<tr>
<td><strong>REL (USA)</strong></td>
</tr>
<tr>
<td><strong>TLV (USA)</strong></td>
</tr>
<tr>
<td><strong>BEI</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>108-65-6 2-methoxy-1-methylethyl acetate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WEEL (USA)</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>110-19-0 isobutyl acetate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEL (USA)</strong></td>
</tr>
<tr>
<td><strong>REL (USA)</strong></td>
</tr>
<tr>
<td><strong>TLV (USA)</strong></td>
</tr>
<tr>
<td><strong>Long-term value: 238 mg/m³, 50 ppm</strong></td>
</tr>
</tbody>
</table>

- Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>1330-20-7 xylene</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BEI (USA)</strong></td>
</tr>
<tr>
<td><strong>Medium:</strong> urine</td>
</tr>
<tr>
<td><strong>Time:</strong> end of shift</td>
</tr>
<tr>
<td><strong>Parameter:</strong> Methylhippuric acids</td>
</tr>
</tbody>
</table>
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)

**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.
  
  - **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 Information on basic physical and chemical properties

### General Information
- **Appearance:** 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:** 117.2 °C (243 °F)

### Flash point:
- **18 °C (64.4 °F)**

### Flammability (solid, gaseous):
- **Not applicable.**

### Ignition temperature:
- **315 °C (599 °F)**

### 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:** 10.8 Vol %

### Vapor pressure at 20 °C (68 °F):
- **20 hPa (15 mm Hg)**

### Density (+/- 0.03) at 20 °C (68 °F):
- **0.988 g/cm³ (8.245 lbs/gal)**
  - **Relative density**
  - **Vapor density**
  - **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.

### Solvent content:
- **VOC content:** 50.85 %
  - 502.4 g/l / 4.19 lb/gal

### Solids content:
- **49.1 %**

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

### 1330-20-7 xylene
- **30-49.99 %**

### 100-41-4 ethylbenzene
- **5-9.99 %**

### 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 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:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**
    - **LD/LC50 values that are relevant for classification:**
      
      | Compound                              | Oral LD50 (mg/kg) | Dermal LD50 (mg/kg) | Inhalative LC50/4h (mg/l) |
      |--------------------------------------|-------------------|--------------------|--------------------------|
      | 1330-20-7 xylene                      | 3,523             | 12,126             | 27.571                   |
      | 100-41-4 ethylbenzene                 | 3,500             | 15,486             | 17.2                     |
      | 108-65-6 2-methoxy-1-methylethyl acetate | 8,532           | 5,001              | 35.7                     |
      | 110-19-0 isobutyl acetate             | 13,400            | 17,401             | 31                       |

- **Primary irritant effect:**
  - **on the skin:** Irritant to skin and mucous membranes.
  - **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
  Irritant
  Causes skin irritation.
  Causes serious eye irritation.
  May cause respiratory irritation.
  May cause damage to the hearing organs through prolonged or repeated exposure.
- **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** Harmful to aquatic life with long lasting effects.
  
  - **Aquatic toxicity:**
    
    | Substance | EC50 (algae) | LC50 (daphnia) |
    |-----------|--------------|----------------|
    | 1330-20-7 xylene | 2.2 mg/l (72h) | 1 mg/l (48 h) |
    | 100-41-4 ethylbenzene | 438 mg/l (72h) | 1.2 mg/l (48 h) |
    | 108-65-6 2-methoxy-1-methylethyl acetate | 1,001 mg/l (72h) | 501 mg/l (48 h) |
    | 110-19-0 isobutyl acetate | 1,001 mg/l (72h) | 501 mg/l (48 h) |
    | 1330-20-7 xylene | 2.2 mg/l (72h) | 1 mg/l (48 h) |
    | 100-41-4 ethylbenzene | 438 mg/l (72h) | 1.2 mg/l (48 h) |
    | 108-65-6 2-methoxy-1-methylethyl acetate | 1,001 mg/l (72h) | 501 mg/l (48 h) |
    | 110-19-0 isobutyl acetate | 1,001 mg/l (72h) | 501 mg/l (48 h) |

- **Persistence and degradability** No further relevant information available.
  
  - **Substances Easily biodegradable**
    
    | Substance | EC50 (algae) | LC50 (daphnia) |
    |-----------|--------------|----------------|
    | 1330-20-7 xylene | 2.2 mg/l (72h) | 1 mg/l (48 h) |
    | 100-41-4 ethylbenzene | 438 mg/l (72h) | 1.2 mg/l (48 h) |
    | 108-65-6 2-methoxy-1-methylethyl acetate | 1,001 mg/l (72h) | 501 mg/l (48 h) |
    | 110-19-0 isobutyl acetate | 1,001 mg/l (72h) | 501 mg/l (48 h) |

- **Behavior in environmental systems:**
  
  - **Bioaccumulative potential** No further relevant information available.
  
  - **Mobility in soil** No further relevant information available.
  
- **Ecotoxicological effects:**
  
  - **Remark:** Harmful to fish
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**: III

- **Environmental hazards:**
  - **Marine pollutant:** No
### 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):**
    - 1330-20-7 xylene 30-49.99%
    - 100-41-4 ethylbenzene 5-9.99%

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

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

- **Proposition 65**
  - **Chemicals known to cause cancer:**
    - 100-41-4 ethylbenzene 5-9.99%
  - **Chemicals known to cause reproductive toxicity for females:**
    - 70657-70-4 2-methoxypropyl acetate <0.01%
  - **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.

- **EPA (Environmental Protection Agency)**
  - 1330-20-7 xylene 30-49.99%
49.0.14

100-41-4 ethylbenzene  
· TLV (Threshold Limit Value established by ACGIH)

1330-20-7 xylene  
100-41-4 ethylbenzene

· 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.

16 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 07/30/2019 / 67
· 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
  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