1 Identification

- **Product name:** QuickSet Acrylic Powder
- **Part number:**
  - 185-10000, -10015
  - 185-10005, -10020, -10030, -10040, -10041
- **Application of the substance / the mixture** Acrylic resin
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** Allied High Tech Products Inc.
    - 2376 East Pacifica Place
    - USA-RANCHO DOMINGUEZ, CA 90220
    - USA
    - info@alliedhightech.com
  - **Information department:** Product safety department
  - **Emergency telephone number:**
    - During normal opening times: +1 (310) 635-2466
    - Chemtrec: +1 (202) 483-7616

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - GHS07
  - **Eye Irrit. 2A** H319 Causes serious eye irritation.
  - **Skin Sens. 1** H317 May cause an allergic skin reaction.

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

  - GHS07

- **Signal word** Warning

  - **Hazard-determining components of labeling:**
    - dibenzoyl peroxide
  - **Hazard statements**
    - Causes serious eye irritation.
May cause an allergic skin reaction.

- **Precautionary statements**
  - Avoid breathing dust/fume/gas/mist/vapors/spray
  - Wash thoroughly after handling.
  - Contaminated work clothing must not be allowed out of the workplace.
  - Wear protective gloves / eye protection / face protection.
  - If on skin: Wash with plenty of water.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - If skin irritation or rash occurs: Get medical advice/attention.
  - Specific treatment (see on this label).
  - If eye irritation persists: Get medical advice/attention.
  - Wash contaminated clothing before reuse.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**
  - **NFPA ratings (scale 0 - 4)**
    - Health = 2
    - Fire = 1
    - Reactivity = 0
  - **HMIS-ratings (scale 0 - 4)**
    - HEALTH
      - Health = 2
    - FIRE
      - Fire = 1
    - REACTIVITY
      - Reactivity = 0

- **Other hazards**
  - Results of PBT and vPvB assessment
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Hazardous Components:**
  - 9003-42-3 Poly(ethyl methacrylate) 50-100%
    - Eye Irrit. 2B, H320
  - 94-36-0 dibenzoyl peroxide ≤2.5%
    - Org. Perox. B, H241; Eye Irrit. 2A, H319; Skin Sens. 1, H317

### 4 First-aid measures

- **Description of first aid measures**

  - **After inhalation:**
    - Supply fresh air and to be sure call for a doctor.
    - In case of unconsciousness place patient stably in side position for transportation.
  - **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
  - **After eye contact:**
    - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - **After swallowing:** If symptoms persist consult doctor.
5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Not required.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up:
  - Pick up mechanically.
  - Dispose contaminated material as waste according to item 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

- PAC-1:
  - 94-36-0 dibenzoyl peroxide 15 mg/m³

- PAC-2:
  - 94-36-0 dibenzoyl peroxide 1,200 mg/m³

- PAC-3:
  - 94-36-0 dibenzoyl peroxide 7,000 mg/m³

7 Handling and storage

- Handling:
  - Precautions for safe handling: No special precautions are necessary if used correctly.
  - Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles: Store at temperatures not exceeding 35°C.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions:
    - Keep receptacle tightly sealed.
    - Store receptacle in a well ventilated area.
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 constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
  At this time, the remaining constituent has no known exposure limits.

<table>
<thead>
<tr>
<th>94-36-0 dibenzoyl peroxide</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
</tr>
<tr>
<td>REL</td>
</tr>
<tr>
<td>TLV</td>
</tr>
</tbody>
</table>

- **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.
  Avoid contact with the eyes.
  Avoid contact with the eyes and skin.

- **Breathing equipment:** Use suitable respiratory protective device when high concentrations are present.

- **Protection of hands:**
  Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

  **Protective gloves**

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

  **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**

(Contd. on page 5)
# 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
  - **Appearance:**
    - Form: Powder
    - Color: White
  - **Odor:** Light
  - **Odor threshold:** Not determined.
  - **pH-value:** Not applicable.
- **Change in condition**
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: Undetermined.
- **Flash point:** 304 °C (579.2 °F)
- **Flammability (solid, gaseous):** Not determined.
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  - Lower: Not determined.
  - Upper: Not determined.
- **Vapor pressure:** Not applicable.
- **Density:**
  - Relative density: Not determined.
  - Vapor density: Not applicable.
  - Evaporation rate: Not applicable.
- **Solubility in / Miscibility with**
  - Water: Insoluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.
- **Solvent content:**
  - VOC content:
    - 0.00 %
    - 0.0 g/l / 0.00 lb/gl
- **Solids content:** 100.0 %
- **Other information**
  - No further relevant information available.

# 10 Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
  - **Possibility of hazardous reactions**
    - No dangerous reactions known.
11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values that are relevant for classification:
      - 94-36-0 dibenzoyl peroxide
        - Oral LD50 6,400 mg/kg (rat)
      - Primary chemical irritant effect:
        - on the skin: No irritant effect.
        - on the eye: Irritating effect.
      - Sensitization: Sensitization possible through skin contact.
      - Additional toxicological information: Abrasive eye irritant
  - Carcinogenic categories
    - IARC (International Agency for Research on Cancer)
      - 94-36-0 dibenzoyl peroxide 3
    - 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: No further relevant information available.
  - Persistence and degradability No further relevant information available.
  - 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 1 (Self-assessment): slightly hazardous for water
      Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - 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: Contact waste processors for recycling information.

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

14 Transport information

- UN-Number
  - DOT, ADN, IMDG, IATA: not regulated

- UN proper shipping name
  - DOT, ADN, IMDG, IATA: not regulated

- Transport hazard class(es)
  - DOT, ADN, IMDG, IATA: not regulated

- Packing group
  - DOT, IMDG, IATA: not regulated

- Environmental hazards:
  - Marine pollutant: No

- Special precautions for user: Not applicable.

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

- UN "Model Regulation": not regulated

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Sara
    - Section 355 (extremely hazardous substances):
      None of the ingredients is listed.

- Section 313 (Specific toxic chemical listings):
  - 94-36-0 dibenzoyl peroxide

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

- TSCA new (21st Century Act) (Substances not listed)
  - 9003-42-3 Poly(ethyl methacrylate)

- Proposition 65

- Chemicals known to cause cancer:
  - None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for females:
  - None of the ingredients is listed.
Product name: QuickSet Acrylic Powder

- **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.

- **Carcinogenic categories**
  - **EPA (Environmental Protection Agency)**
    None of the ingredients is listed.
  - **TLV (Threshold Limit Value established by ACGIH)**
    94-36-0 dibenzoyl peroxide  
    A4
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    None of the ingredients is listed.
  - **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:** Environment protection department.
- **Contact:** Kim Dermit
- **Date of preparation / last revision** 06/04/2018 / -
- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - 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
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety & Health
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - Org. Perox. B: Organic peroxides – Type B
  - Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
  - Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
  - Skin Sens. 1: Skin sensitisation – Category 1
1 Identification

- Product name: QuickSet Acrylic Liquid
- Part number:
  185-10000, -10015
  185-10025, -10035, -10036, -10045
- Application of the substance / the mixture Hardening agent/ Curing agent
- Details of the supplier of the safety data sheet
  - Manufacturer/Supplier: Allied High Tech Products Inc.
    2376 East Pacifica Place
    USA-RANCHO DOMINGUEZ, CA 90220
    USA
    info@alliedhightech.com
  - Information department: Product safety department
  - Emergency telephone number:
    During normal opening times: +1 (310) 635-2466
    Chemtrec: +1 (202) 483-7616

2 Hazard(s) identification

- Classification of the substance or mixture
  - GHS02 Flame
    Flam. Liq. 3     H226  Flammable liquid and vapor.
  - GHS09 Environment
    Aquatic Acute 1  H400  Very toxic to aquatic life.
  - GHS07
    Skin Irrit. 2    H315  Causes skin irritation.
    Eye Irrit. 2A    H319  Causes serious eye irritation.
    Skin Sens. 1    H317  May cause an allergic skin reaction.
    STOT SE 3       H335  May cause respiratory irritation.
Product name: QuickSet Acrylic Liquid

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

![GHS02](image1)  ![GHS07](image2)  ![GHS09](image3)

- **Signal word** Warning
- **Hazard-determining components of labeling:**
  - isobutyl methacrylate
  - mequinol
- **Hazard statements**
  - Flammable liquid and vapor.
  - Causes skin irritation.
  - Causes serious eye irritation.
  - May cause an allergic skin reaction.
  - May cause respiratory irritation.
  - Very toxic to aquatic life.
- **Precautionary statements**
  - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  - Ground/bond container and receiving equipment.
  - Use explosion-proof electrical/ventilating/lighting/equipment.
  - Use only non-sparking tools.
  - Take precautionary measures against static discharge.
  - Avoid breathing dust/fume/gas/mist/vapors/spray
  - Wash thoroughly after handling.
  - Use only outdoors or in a well-ventilated area.
  - Contaminated work clothing must not be allowed out of the workplace.
  - Avoid release to the environment.
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - IF in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - Call a poison center/doctor if you feel unwell.
  - Specific treatment (see on this label).
  - Take off contaminated clothing and wash it before reuse.
  - If skin irritation or rash occurs: Get medical advice/attention.
  - If eye irritation persists: Get medical advice/attention.
  - Wash contaminated clothing before reuse.
  - In case of fire: Use for extinction: CO2, powder or water spray.
  - Collect spillage.
  - Store in a well-ventilated place. Keep container tightly closed.
  - Store in a well-ventilated place. Keep cool.
  - Store locked up.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**

  - Health = 2
  - Fire = 2
  - Reactivity = 2
Safety Data Sheet
acc. to OSHA HCS

Printing date 06/04/2018
Reviewed on 06/04/2018

Product name: QuickSet Acrylic Liquid

· HMIS-ratings (scale 0 - 4)

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FIRE</th>
<th>REACTIVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health = 2</td>
<td>Fire = 2</td>
<td>Reactivity = 2</td>
</tr>
</tbody>
</table>

· Other hazards
· Results of PBT and vPvB assessment
· PBT: Not applicable.
· vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures
· Description: Mixture of the substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>Hazardous Components:</th>
</tr>
</thead>
<tbody>
<tr>
<td>97-86-9 isobutyl methacrylate</td>
</tr>
<tr>
<td>150-76-5 mequinol</td>
</tr>
</tbody>
</table>

4 First-aid measures

· Description of first aid measures
· General information: Immediately remove any clothing soiled by the product.
· After inhalation:
   Supply fresh air and to be sure call for a doctor.
   In case of unconsciousness place patient stably in side position for transportation.
· After skin contact: Immediately wash with water and soap and rinse thoroughly.
· After eye contact:
   Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· After swallowing:
   If symptoms persist consult doctor.
· Information for doctor:
· Most important symptoms and effects, both acute and delayed: Dizziness
· Indication of any immediate medical attention and special treatment needed
   No further relevant information available.

5 Fire-fighting measures

· Extinguishing media
· Suitable extinguishing agents:
   CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· For safety reasons unsuitable extinguishing agents: Water with full jet
· Special hazards arising from the substance or mixture: No further relevant information available.
· Advice for firefighters
· Protective equipment: No special measures required.
6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
  Do not allow product to reach sewage system or any water course.
  Do not allow to enter sewers/surface or ground water.
  Prevent seepage into sewage system, workpits and cellars.
  Inform respective authorities in case of seepage into water course or sewage system.
  Dilute with plenty of 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 item 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

| PAC-1: | 15-76-5 mequinol | 15 mg/m³ |
| PAC-2: | 15-76-5 mequinol | 49 mg/m³ |
| PAC-3: | 15-76-5 mequinol | 320 mg/m³ |

7 Handling and storage

- Handling:
  - Precautions for safe handling Prevent formation of aerosols.
  - Information about protection against explosions and fires:
    - Keep ignition sources away - Do not smoke.
    - Protect against electrostatic charges.
- Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and receptacles: Store in a cool location.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions:
      - Store at temperatures not exceeding 25°C.
      - Keep receptacle tightly sealed.
      - Store receptacle in a well ventilated area.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
Product name: QuickSet Acrylic Liquid

- Control parameters
- Components with limit values that require monitoring at the workplace:
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

<table>
<thead>
<tr>
<th>150-76-5 mequinol</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL Long-term value: 5 mg/m³</td>
</tr>
<tr>
<td>TLV Long-term value: 5 mg/m³</td>
</tr>
</tbody>
</table>

- 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.
  Avoid contact with the eyes and skin.
- Breathing equipment: Use suitable respiratory protective device when high concentrations are present.
- Protection of hands:

  Protective gloves
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - Material of gloves Butyl rubber, BR
  - 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: Liquid
  - Color: Clear
  - Odor: Characteristic
  - Odor threshold: Not determined.
- pH-value: Not determined.

- Change in condition
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: 155 °C (311 °F)
## Product name: QuickSet Acrylic Liquid

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point:</td>
<td>49 °C (120.2 °F) (closed cup)</td>
</tr>
<tr>
<td>Flammability (solid, gaseous):</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Ignition temperature:</td>
<td>390 °C (734 °F)</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Auto igniting:</td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td>Danger of explosion:</td>
<td>Product is not explosive. However, formation of explosive air/vapor mixtures are possible.</td>
</tr>
<tr>
<td>Explosion limits:</td>
<td></td>
</tr>
<tr>
<td>Lower</td>
<td>1 Vol %</td>
</tr>
<tr>
<td>Upper</td>
<td>8 Vol %</td>
</tr>
<tr>
<td>Vapor pressure at 20 °C (68 °F):</td>
<td>4 hPa (3 mm Hg)</td>
</tr>
<tr>
<td>Density:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Relative density:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor density at 16 °C (60.8 °F):</td>
<td>4.91 (Air = 1)</td>
</tr>
<tr>
<td>Specific gravity at 15.5 °C (59.9 °F):</td>
<td>0.901</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>0.5</td>
</tr>
<tr>
<td>Solubility in / Miscibility with Water:</td>
<td>0.47 g/l</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>2.95 log POW</td>
</tr>
<tr>
<td>Viscosity:</td>
<td></td>
</tr>
<tr>
<td>Dynamic:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Kinematic:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Solvent content:</td>
<td></td>
</tr>
<tr>
<td>VOC content:</td>
<td>0.00 %</td>
</tr>
<tr>
<td>Other information:</td>
<td></td>
</tr>
<tr>
<td>No further relevant information available.</td>
<td></td>
</tr>
</tbody>
</table>

### 10 Stability and reactivity

- **Reactivity**: No further relevant information available.
- **Chemical stability**: 
- **Thermal decomposition / conditions to be avoided**: No decomposition if used according to specifications.
- **Possibility of hazardous reactions**: Danger of polymerization.
- **Conditions to avoid**: 
  - Protect from sunlight.
  - Keep away from heat.
- **Incompatible materials**: No further relevant information available.
- **Hazardous decomposition products**: Carbon monoxide and carbon dioxide

(Contd. on page 7)
11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - LD/LC50 values that are relevant for classification:
    | Compound       | Oral LD50 | Dermal LD50 |
    |----------------|-----------|-------------|
    | 97-86-9 isobutyl methacrylate | 11,990 mg/kg (mouse) | |
    | 150-76-5 mequinol | 1,600 mg/kg (rat) | 2,010 mg/kg (rat) |
- Primary chemical irritant effect:
  - on the skin: Irritant to skin and mucous membranes.
  - on the eye: Irritating effect.
- Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:
  - Carcinogenic categories
    | IARC (International Agency for Research on Cancer) | None of the ingredients is listed. |
    | 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:
    | EC50 (48 h) | 29 mg/l (daphnia) |
    | LC50 (96 h) | 20 mg/l (rainbow trout) |
  - Persistence and degradability: Easily biodegradable
  - Behavior in environmental systems:
  - Bioaccumulative potential: May be accumulated in organism
  - Mobility in soil: No further relevant information available.
  - Ecotoxicological effects:
    - Remark: Very toxic for fish
  - Additional ecological information:
    - General notes:
      Water hazard class 1 (Self-assessment): slightly hazardous for water
      Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
      Very toxic for aquatic organisms
    - 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: Contact waste processors for recycling information.
- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
  - DOT, IMDG, IATA
    - UN2283
- UN proper shipping name
  - DOT
    - Isobutyl methacrylate, stabilized mixture
  - IMDG
    - ISOBUTYL METHACRYLATE, STABILIZED mixture, MARINE POLLUTANT
  - IATA
    - ISOBUTYL METHACRYLATE, STABILIZED mixture

- Transport hazard class(es)
  - DOT
    - Class
      - 3 Flammable liquids
    - Label
      - 3
  - IMDG
    - Class
      - 3 Flammable liquids
    - Label
      - 3
  - IATA
    - Class
      - 3 Flammable liquids
    - Label
      - 3
  - Packing group
    - DOT, IMDG, IATA
      - III
  - Environmental hazards:
    - Product contains environmentally hazardous substances: isobutyl methacrylate
    - Marine pollutant:
      - Yes
      - Symbol (fish and tree)
  - Special precautions for user
    - Warning: Flammable liquids
  - Danger code (Kemler):
    - 30

(Contd. on page 9)


**Product name: QuickSet Acrylic Liquid**

- EMS Number: F-E,S-D
- Stowage Category: A
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.
- Transport/Additional information:
  - DOT
  - Quantity limitations: On passenger aircraft/rail: 60 L
  - On cargo aircraft only: 220 L
- IMDG
  - Limited quantities (LQ): 5L
  - Exempted quantities (EQ) Code: E1
  - Maximum net quantity per inner packaging: 30 ml
  - Maximum net quantity per outer packaging: 1000 ml
- UN "Model Regulation": UN 2283 ISOBUTYL METHACRYLATE, STABILIZED MIXTURE, 3, III, ENVIRONMENTALLY HAZARDOUS

### 15 Regulatory information

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

  - Sara
    - Section 355 (extremely hazardous substances): None of the ingredients is listed.
    - Section 313 (Specific toxic chemical listings): None of the ingredients is listed.
  - TSCA (Toxic Substances Control Act): All ingredients are listed.
  - Proposition 65
    - Chemicals known to cause cancer: None of the ingredients is listed.
    - 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.
  - Carcinogenic 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.
Product name: QuickSet Acrylic Liquid

- 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: Environment protection department.
- Contact: Kim Dermit
- Date of preparation / last revision 06/04/2018 / -
- Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  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
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  NIOSH: National Institute for Occupational Safety
  OSHA: Occupational Safety & Health
  TLV: Threshold Limit Value
  PEL: Permissible Exposure Limit
  REL: Recommended Exposure Limit
  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
  Skin Sens. 1: Skin sensitisation – Category 1
  STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1