1 Identification

Product identifier

Trade name: 800 Part A

Application of the substance / the mixture: Adhesives

Details of the supplier of the safety data sheet

Manufacturer/Supplier:
Cyberbond LLC
401 North Raddant Road
Batavia, IL 60510
USA
sales@cyberbond1.com
630-761-8900

Information department: Product safety department

Emergency telephone number:
International-1-(352)-323-3500
US & Canada-1-(800)-535-5053

2 Hazard(s) identification

Classification of the substance or mixture

GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.

GHS07

Acute Tox. 4 H302 Harmful if swallowed.
Acute Tox. 4 H312 Harmful in contact with skin.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
STOT SE 3 H335 May cause respiratory irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Corrosive

Causes burns.

Irritant

Irritating to respiratory system. May cause sensitisation by skin contact.

Highly flammable

Highly flammable.

Information concerning particular hazards for human and environment:
The product has to be labeled due to the calculation procedure of international guidelines.

Classification system:
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

(Contd. on page 2)
40.1.3 Label elements
GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms

GHS02 GHS07

Signal word Danger

Hazard-determining components of labeling:
methacrylic acid
methyl methacrylate

Hazard statements
Highly flammable liquid and vapor.
Harmful if swallowed or in contact with skin.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves / eye protection / face protection.
Wear protective gloves.
Wear protective gloves / protective clothing.
Wear eye protection / face protection.
Ground/bond container and receiving equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
If ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see on this label).
If swallowed: Call a poison center/doctor if you feel unwell.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Rinse mouth.
In case of fire: Use for extinction: CO2, powder or water spray.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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.
4 First-aid measures

- Description of first aid measures
  - General information: Immediately remove any clothing soiled by the product.
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Immediately wash with water and soap and rinse thoroughly.
  - After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
  - After swallowing: Drink copious amounts of water and provide fresh air. Immediately call a doctor.

- Information for doctor:
  - Most important symptoms and effects, both acute and delayed: Breathing difficulty
  - 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, sand, extinguishing powder. Do not use water.
  - 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: Wear self-contained respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  - Wear protective equipment. Keep unprotected persons away.
  - Ensure adequate ventilation

- Environmental precautions:
  - Do not allow product to reach sewage system or any water course.
  - Prevent seepage into sewage system, workpits and cellars.
  - Inform respective authorities in case of seepage into water course or sewage system.

- Methods and material for containment and cleaning up:
  - Use neutralizing agent.
  - Dispose contaminated material as waste according to item 13.
  - Ensure adequate ventilation.
  - Do not flush with water or aqueous cleansing agents

- 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.

7 Handling and storage

- Handling:
  - Precautions for safe handling
    - Store in cool, dry place in tightly closed receptacles.
    - Keep away from heat and direct sunlight.
    - Ensure good ventilation/exhaustion at the workplace.

- 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.
    - Store only in the original receptacle.

- Information about storage in one common storage facility: Store away from oxidizing agents.
Further information about storage conditions:
- Keep receptacle tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.

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.

Control parameters

Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Component</th>
<th>PEL Long-term value</th>
<th>REL Long-term value</th>
<th>TLV Short-term value</th>
<th>(SEN) NIC-DSEN Long-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>80-62-6 methyl methacrylate</td>
<td>410 mg/m³, 100 ppm</td>
<td>410 mg/m³, 100 ppm</td>
<td>410 mg/m³, 100 ppm</td>
<td>205 mg/m³, 50 ppm</td>
</tr>
</tbody>
</table>

80-61-4 methacrylic acid

<table>
<thead>
<tr>
<th>Component</th>
<th>REL Long-term value</th>
<th>TLV Long-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>70 mg/m³, 20 ppm</td>
<td>70 mg/m³, 20 ppm</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:
  - The usual precautionary measures for handling chemicals should be followed.
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing.
  - Avoid contact with the eyes and skin.

- Breathing equipment: Not necessary if room is well-ventilated.

- Protection of hands:

  - Protective gloves
    - Impervious 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: Nitrile rubber, NBR
    - 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.
    - Not suitable are gloves made of the following materials:
      - Cotton or natural fibers
      - PVC gloves
    - Eye protection:
      - Safety glasses
    - Body protection: Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

- General Information
  - Appearance:
    - Form: Highly viscous
40.1.3 Color: Whitish
Odor: Characteristic
Odour threshold: Not determined.
P-value: Not determined.

Change in condition
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

Flash point: 10 °C (50 °F)
Flammability (solid, gaseous): Not applicable.
Ignition temperature: 430 °C (806 °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: 2.1 Vol %
Upper: 12.5 Vol %
Vapor pressure at 20 °C (68 °F): 47 hPa (35 mm Hg)
Density: Not determined.
Relative density: Not determined.
Vapour 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: Not determined.
Solvent content:
Organic solvents: 0.0 %
Other information: No further relevant information available.

10 Stability and reactivity
Reactivity
Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
Possibility of hazardous reactions: No dangerous reactions known.
Conditions to avoid: No further relevant information available.
Incompatible materials: No further relevant information available.
Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information
Information on toxicological effects
Acute toxicity:
LD/LC50 values that are relevant for classification:
80-62-6 methyl methacrylate
Oral LD50 7872 mg/kg (rat)
Trade name: 800 Part A

79-41-4 methacrylic acid

<table>
<thead>
<tr>
<th>Oral</th>
<th>LD50</th>
<th>1332 mg/kg (mouse)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td>500 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

**Primary irritant effect:**
- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** No sensitizing effects known.

**Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
- **Corrosive**
- **Irritant**
  Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

**Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**
  80-62-6 methyl methacrylate 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.
  Must not reach bodies of water or drainage ditch undiluted or unneutralized.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
  - **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods**
  - **Recommendation:**
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

- **UN-Number**
  UN1133
- **DOT, IMDG, IATA**
  Void
- **ADN**
  Void
- **UN proper shipping name**
  Adhesives
- **DOT**
  Void
- **ADN**
  Void
- **IMDG, IATA**
  ADHESIVES

(Contd. on page 7)
Transport hazard class(es)
- DOT, IMDG, IATA
  - Class: 3 Flammable liquids
  - ADN/R Class: Void
  - Packing group: II
  - Environmental hazards:
    - Marine pollutant: No
    - Special precautions for user: Not applicable.
  - EMS Number: F-E,S-D

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):
      80-62-6 methyl methacrylate
    - 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)
    80-62-6 methyl methacrylate [E, NL]
  - TLV (Threshold Limit Value established by ACGIH)
    80-62-6 methyl methacrylate [A4]
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    None of the ingredients is listed.

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

Hazard pictograms
- GHS02
- GHS07

- Signal word
- Danger

Hazard-determining components of labeling:
- methacrylic acid
- methyl methacrylate
Trade name: 800 Part A

Hazard statements
Highly flammable liquid and vapor.
Harmful if swallowed or in contact with skin.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves / eye protection / face protection.
Wear protective gloves.
Wear protective gloves / protective clothing.
Wear eye protection / face protection.
Ground/bond container and receiving equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see on this label).
If swallowed: Call a poison center/doctor if you feel unwell.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Rinse mouth.
In case of fire: Use for extinction: CO2, powder or water spray.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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.

Date of preparation / last revision 06/02/2015 / 3

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)

LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
1 Identification

· Product identifier
  · Trade name: 800 Part B
  · Application of the substance / the mixture: Activator

· Details of the supplier of the safety data sheet
  · Manufacturer/Supplier: Cyberbond LLC
    401 North Raddant Road
    Batavia, IL 60510
    USA
    sales@cyberbond1.com
    630-761-8900

· Information department: Product safety department

· Emergency telephone number:
  · International: 1-(352)-323-3500
  · US & Canada: 1-(800)-535-5053

2 Hazard(s) identification

· Classification of the substance or mixture

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

  - GHS07
    Skin Irrit. 2 H315 Causes skin irritation.
    Eye Irrit. 2A H319 Causes serious eye irritation.
    STOT SE 3 H335 May cause respiratory irritation.

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC

  - Irritant
    Irritating to respiratory system and skin. May cause sensitisation by skin contact.

  - Highly flammable
    Highly flammable.

· Information concerning particular hazards for human and environment:
  · The product has to be labeled due to the calculation procedure of international guidelines.

· Classification system:
  · The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· Label elements

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

- Danger
- GHS02
- GHS07

Signal word: Danger

Hazard-determining components of labeling:
methyl methacrylate

Hazard statements:
Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.

Precautionary statements:
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves / eye protection / face protection.
Wear protective gloves.
Wear eye protection / face protection.
Ground/bond container and receiving equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see on this label).
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a poison center/doctor if you feel unwell.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use for extinction: CO2, powder or water spray.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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.

| Dangerous components: | 80-62-6 methyl methacrylate | 50-100% |

4 First-aid measures

- Description of first aid measures
- After Inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
Information for doctor:
Most important symptoms and effects, both acute and delayed: Breathing difficulty
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, sand, extinguishing powder. Do not use water.
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: Wear self-contained respiratory protective device.

6 Accidental release measures
Personal precautions, protective equipment and emergency procedures:
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Environmental precautions:
Do not allow product to reach sewage system or any water course.
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
Methods and material for containment and cleaning up:
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents.
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.

7 Handling and storage
Handling:
Precautions for safe handling:
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
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.
Store only in the original receptacle.
Information about storage in one common storage facility:
Store away from oxidizing agents.
Further information about storage conditions:
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
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.
Control parameters:
Components with limit values that require monitoring at the workplace:
80-62-6 methyl methacrylate
PEL Long-term value: 410 mg/m³, 100 ppm
### 40.1.3 REL Long-term value: 410 mg/m³, 100 ppm

**TLV Short-term value: 410 mg/m³, 100 ppm**

Long-term value: 205 mg/m³, 50 ppm

(SEN) NIC-DSEN

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

- **Exposure controls**
- **Personal protective equipment:**
  - **General protective and hygienic measures:**
    The usual precautionary measures for handling chemicals should be followed.
    Keep away from foodstuffs, beverages and feed.
    Immediately remove all soiled and contaminated clothing.
    Avoid contact with the skin.
    Avoid contact with the eyes and skin.
  - **Breathing equipment:** Not necessary if room is well-ventilated.
  - **Protection of hands:**
    - Protective gloves
      - Impervious 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** Nitrile rubber, NBR
    - **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.
    - **Not suitable are gloves made of the following materials:**
      Cotton or natural fibers
      PVC gloves
  - **Eye protection:**
    - Safety glasses
    - Tightly sealed goggles
  - **Body protection:** Protective work clothing

### 9 Physical and chemical properties

#### Information on basic physical and chemical properties

**General Information**

- **Appearance:**
  - Form: Liquid
  - Color: Whitish
  - Odor: Pungent
  - Odour threshold: Not determined.
  - pH-value: Not determined.
- **Change in condition**
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: Undetermined.
- **Flash point:** 10 °C (50 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 430 °C (806 °F)
- **Decomposition temperature:** Not determined.
Trade name: 800 Part B

40.1.3

· Auto igniting: Product is not self-igniting.
· Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Explosion limits:
  Lower: 2.1 Vol %
  Upper: 12.5 Vol %

· Vapor pressure at 20 °C (68 °F): 47 hPa (35 mm Hg)

· Density: Not determined.
· Relative density: Not determined.
· Vapour 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: Not determined.
· Solvent content:
  Organic solvents: 0.0 %
· Other information: No further relevant information available.

10 Stability and reactivity

· Reactivity
· Chemical stability
  · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
  · Possibility of hazardous reactions: No dangerous reactions known.
  · Conditions to avoid: No further relevant information available.
  · Incompatible materials: No further relevant information available.
  · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects
· Acute toxicity:

  LD/LC50 values that are relevant for classification:
  80-62-6 methyl methacrylate
  Oral LD50 7872 mg/kg (rat)

  Primary irritant effect:
  · on the skin: No irritant effect.
  · on the eye: No irritating effect.
  · Sensitization: No sensitizing effects known.

  Additional toxicological information:
  The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

  Carcinogenic categories
  IARC (International Agency for Research on Cancer)
  80-62-6 methyl methacrylate 3

  NTP (National Toxicology Program)
  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**:
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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

14 Transport information

- **UN-Number**
  - DOT, IMDG, IATA: UN1133
  - ADN: Void

- **UN proper shipping name**
  - DOT: Adhesives
  - ADN: Void
  - IMDG, IATA: ADHESIVES

- **Transport hazard class(es)**
  - DOT, IMDG, IATA: 3 Flammable liquids

- **Class**
  - ADN/R Class: Void

- **Packing group**
  - DOT, IMDG, IATA: II

- **Environmental hazards**
  - Marine pollutant: No
  - Special precautions for user: Not applicable.
  - EMS Number: F-E,S-D

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

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):
All ingredients are 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)
80-62-6 methyl methacrylate E, NL

TLV (Threshold Limit Value established by ACGIH)
80-62-6 methyl methacrylate A4

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

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

Hazard pictograms

Signal word Danger

Hazard-determining components of labeling:
methyl methacrylate

Hazard statements
Highly flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves / eye protection / face protection.
Wear protective gloves.
Wear eye protection / face protection.
Ground/bond container and receiving equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see on this label).
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

(Contd. on page 8)
40.1.3 Call a poison center/doctor if you feel unwell.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use for extinction: CO2, powder or water spray.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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.

Date of preparation / last revision: 06/02/2015 / 1

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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3