1 Identification

- **Product identifier**
  - **Trade name:** 7640
  - **Application of the substance / the mixture** Adhesive

- **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**
  - **GHS05 Corrosion**
    - Eye Dam. 1  H318  Causes serious eye damage.
  - **GHS07**
    - Acute Tox. 4  H302  Harmful if swallowed.
    - Acute Tox. 4  H332  Harmful if inhaled.
    - Skin Irrit. 2  H315  Causes skin irritation.
    - Skin Sens. 1  H317  May cause an allergic skin reaction.
    - 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.

- **Dangerous for the environment**
  - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **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).

(Contd. on page 2)
4.1.3 Hazard pictograms

- GHS05
- GHS07

Signal word: Danger

Hazard-determining components of labeling:
- Methacrylic acid, monoester with propane-1,2-diol
- Acrylic acid
- Polyethylene Glycol 200 Dimethacrylate
- α,α-dimethylbenzyl hydroperoxide

Hazard statements:
- Harmful if swallowed or if inhaled.
- Causes skin irritation.
- Causes serious eye damage.
- May cause an allergic skin reaction.
- 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.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Wear protective gloves.
- Wear eye protection / face protection.
- Wash thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing must not be allowed out of the workplace.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a poison center/doctor.
- 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.
- Wash contaminated clothing before reuse.
- If skin irritation or rash occurs: Get medical advice/attention.
- Rinse mouth.
- If on skin: Wash with plenty of water.
- Take off contaminated clothing and wash it before reuse.
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- 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.
    - Seek medical treatment.
  - After skin contact:
    - Immediately wash with water and soap and rinse thoroughly.
    - Seek medical treatment.
  - After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
  - After swallowing: Call a doctor immediately.
  - 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, 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: 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.
  - Wear protective clothing.
- 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.
- Methods and material for containment and cleaning up:
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  - Use neutralizing agent.
  - Dispose contaminated material as waste according to item 13.
  - Pick up mechanically.
  - Ensure adequate ventilation.
  - Dispose of the collected material according to regulations.
- 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: No special measures required.
- 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.
8 Exposure controls/personal protection

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

<table>
<thead>
<tr>
<th>Control parameters</th>
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</thead>
<tbody>
<tr>
<td><strong>Components with limit values that require monitoring at the workplace:</strong></td>
</tr>
<tr>
<td><strong>79-10-7 acrylic acid</strong></td>
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<tr>
<td>REL</td>
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<td></td>
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<tr>
<td>TLV</td>
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<tr>
<td><strong>80-15-9 α,α-dimethylbenzyl hydroperoxide</strong></td>
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<tr>
<td>WEEL</td>
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</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.
      - Wash hands before breaks and at the end of work.
      - Avoid contact with the eyes and skin.
    - Breathing equipment: Not necessary if room is well-ventilated.
    - Protection of hands:
      - Protective gloves
        - Neoprene 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
          - Butyl rubber, BR
          - Nitrile rubber, NBR
          - Neoprene gloves
          - 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: Green
    - Odor: Characteristic
    - Odour threshold: Not determined.
  - pH-value: Not determined.
  - Change in condition
    - Melting point/Melting range: Undetermined.
    - Boiling point/Boiling range: > 149 °C (> 300 °F)
  - Flash point: > 93 °C (> 199 °F)
  - Flammability (solid, gaseous): Not applicable.
  - Ignition temperature: 374 °C (705 °F)
  - 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 determined.
  - 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 %
    - Water: 0.2 %
  - Solids content: 100.0 %
  - 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: Danger of polymerization.
  - Conditions to avoid: No further relevant information available.
  - Incompatible materials: No further relevant information available.
  - Hazardous decomposition products: Nitrogen oxides

(Contd. on page 4)
11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values that are relevant for classification:
      | 79-10-7 acrylic acid | Oral LD50 250 mg/kg (rat) | Dermal LD50 280 mg/kg (rabbit) |
    - Primary irritant effect:
      - on the skin:
        Caustic effect on skin and mucous membranes. Irritant to skin and mucous membranes.
      - on the eye:
        Strong caustic effect. Irritating effect.
    - Sensitization: Sensitization possible through skin contact.
    - 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)
    | 79-10-7 acrylic acid | 81-07-2 1,2-benzisothiazol-3(2H)-one 1,1-dioxide | 85-83-6 1-(2-methyl-4-(2-methylphenylazo)phenylazo)-2-naphthol |
    - 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.
- Ecotoxical effects:
  - Remark: Toxic for fish
- Additional ecological information:
  - General notes:
    - Water hazard class 2 (Self-assessment): hazardous for water
    - Do not allow product to reach ground water, water course or sewage system.
    - Must not reach bodies of water or drainage ditch undiluted or unneutralized.
    - Danger to drinking water if even small quantities leak into the ground.
    - Also poisonous for fish and plankton in water bodies.
    - 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: 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, ADN, IMDG, IATA: Void
- UN proper shipping name
- DOT, ADN, IMDG, IATA: Void
- Transport hazard class(es)
- DOT, ADN, IMDG, IATA: Void
- Class: Void
- Packing group
- DOT, IMDG, IATA: Void
- Environmental hazards:
  - Marine pollutant: Yes
  - 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": -

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):
    - acrylic acid (79-10-7)
    - α,α-dimethylbenzyl hydroperoxide (80-15-9)
    - 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (81-07-2)
    - ethanediol (107-21-1)
  - TSCA (Toxic Substances Control Act):
    - methacrylic acid, monoester with propane-1,2-diol (27813-02-1)
    - Polyethylene Glycol 200 Dimethacrylate
    - acrylic acid (79-10-7)
    - α,α-dimethylbenzyl hydroperoxide (80-15-9)
    - propane-1,2-diol (57-55-6)
    - 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (81-07-2)
    - 3-trimethoxysilylpropyl methacrylate (2530-85-0)
    - Disodium 4,4’-bis(2-sulfostyryl)biphenyl (27344-41-8)
    - tetrasodium ethylenediaminetetraacetate (64-02-8)
    - 2'-phenylacetohydrazide (114-83-0)
    - ethanediol (107-21-1)
    - mequinol (150-76-5)
    - 2'-phenylacetohydrazide (114-83-0)
    - ethanediol (107-21-1)
    - mequinol (150-76-5)
    - 1,4-naphthoquinone (130-15-4)
    - 1-(2-methyl-4-(2-methylphenylazo)phenylazo)-2-naphthol (85-83-6)
    - trisodium nitrilotriacetate (5064-31-3)
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)**
  79-10-7 acrylic acid A4
  107-21-1 ethanediol 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

- GHS05
- GHS07

Signal word

- Danger

Hazard-determining components of labeling:

- methacrylic acid, monoester with propane-1,2-diol
- acrylic acid
- Polyethylene Glycol 200 Dimethacrylate
- α,α'-dimethylbenzyl hydroperoxide

Hazard statements

- Harmful if swallowed or if inhaled.
- Causes skin irritation.
- Causes serious eye damage.
- May cause an allergic skin reaction.
- 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.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Wear protective gloves.
- Wear eye protection / face protection.
- Wash thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing must not be allowed out of the workplace.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a poison center/doctor.
- 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.
- Wash contaminated clothing before reuse.
- If skin irritation or rash occurs: Get medical advice/attention.
- Rinse mouth.
Trade name: 7640

If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
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.

- Department issuing SDS: Product Safety Department
- Contact: Cyberbond Regulatory Department
- Date of preparation / last revision 06/04/2015 / 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
Acute Tox: 4: Acute toxicity, Hazard Category 4
Skin Irrit: 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam: 1: Serious eye damage/eye irritation, Hazard Category 1
Skin Sens: 1: Sensitisation - Skin, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

* Data compared to the previous version altered.