1 Identification

- **Product identifier**
  - **Trade name:** 2400
  - **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**
  - ![](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 eyes, respiratory system and skin.

- **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**
  - ![](GHS07)

- **Signal word** Warning

- **Hazard-determining components of labeling:**
  - ethyl 2-cyanoacrylate

- **Hazard statements**
  - Combustible liquid.
  - Causes skin irritation.
  - Causes serious eye irritation.
  - May cause respiratory irritation.

(Contd. on page 2)
Precautionary statements
- Keep away from flames and hot surfaces. No smoking.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Wear protective gloves / eye protection / face protection.
- Wash thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- 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.
- 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.

### Composition/information on ingredients

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

<table>
<thead>
<tr>
<th>Dangerous components</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7085-85-0 ethyl 2-cyanoacrylate</td>
<td>50-100%</td>
</tr>
<tr>
<td>26915-72-0 Methoxy Polyethylene Glycol 1000 Methacrylate</td>
<td>0.1-≤0.5%</td>
</tr>
<tr>
<td>123-31-9 1,4-dihydroxybenzene</td>
<td>&lt;0.1%</td>
</tr>
</tbody>
</table>

### 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.
  - **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.

### 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** Nitrogen oxides (NOx)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### Accidental release measures
- **Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
Methods and material for containment and cleaning up:
- Allow to solidify. Pick up mechanically.
- Ensure adequate ventilation.
- Do not use cotton or natural fiber cloths for clean up

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.
  - Information about storage in one common storage facility: Store away from oxidizing agents.
  - Further information about storage conditions:
    - Store receptacle in a well ventilated area.
    - Keep receptacle tightly sealed.

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>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>7085-85-0 ethyl 2-cyanoacrylate</td>
<td>TLV Long-term value: 1 mg/m³, 0.2 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:

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
<table>
<thead>
<tr>
<th>Safety Data Sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>acc. to OSHA HCS</td>
</tr>
</tbody>
</table>

Printing date 05/27/2015
Reviewed on 05/27/2015

**Trade name:** 2400

- **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:** Colorless
    - **Odor:** Characteristic
    - **Odour threshold:** Not determined.
    - **pH-value:** Not determined.
  - **Change in condition**
    - **Melting point/Melting range:** Undetermined.
    - **Boiling point/Boiling range:** > 150 °C (> 302 °F)
  - **Flash point:** 87 °C (189 °F)
  - **Flammability (solid, gaseous):** Not applicable.
  - **Ignition temperature:** 400 °C (752 °F)
  - **Decomposition temperature:** Not determined.
  - **Auto igniting:** Product is not selfigniting.
  - **Danger of explosion:** Not determined.
  - **Explosion limits**
    - **Lower:** Not determined.
    - **Upper:** Not determined.
  - **Vapor pressure at 20 °C (68 °F):** 0.3 hPa
  - **Density at 20 °C (68 °F):** 1.05 g/cm³ (8.762 lbs/gal)
  - **Relative density**
  - **Vapour density**
  - **Evaporation rate**
  - **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 %
  - **Solids content:** 100.0 %
  - **Other information**
    - No further relevant information available.

(Contd. on page 5)
10 Stability and reactivity

- Reactivity
  - Chemical stability
    - Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
    - Possibility of hazardous reactions
      - Reacts with alcohols, amines, aqueous acids and alkalis.
      - Reacts with water and acids.

- 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:
    - Primary 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:
  - The product shows the following dangers according to internally approved calculation methods for preparations:
    - Irritant

- Carcinogenic categories

| IARC (International Agency for Research on Cancer) | 123-31-9 1,4-dihydroxybenzene | 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:
    - 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 NA1993
- DOT, ADN, IMDG, IATA
- UN proper shipping name
- DOT Void
- ADN, IMDG, IATA COMBUSTIBLE LIQUID, N.O.S Void
- Transport hazard class(es)
  - DOT, ADN, IMDG, IATA Void
  - Class
  - Packing group DOT III
- IMDG, IATA Void
- 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.

Transport/Additional information:

- DOT
- Quantity limitations On passenger aircraft/rail: 60 L
- On cargo aircraft only: 220 L
- UN "Model Regulation": -

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Sara
  - Section 355 (extremely hazardous substances):
    - 123-31-9 1,4-dihydroxybenzene
- Section 313 (Specific toxic chemical listings):
  - 123-31-9 1,4-dihydroxybenzene
- 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)
    - 109-63-7 diethyl ether--boron trifluoride | I (oral)
  - TLV (Threshold Limit Value established by ACGIH)
    - 123-31-9 1,4-dihydroxybenzene | A3
  - 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).

GHS07

Signal word Warning

Hazard-determining components of labeling:
ethyl 2-cyanoacrylate

Hazard statements
Combustible liquid.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.

Precautionary statements
Keep away from flames and hot surfaces. – No smoking.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves / eye protection / face protection.
Wear protective gloves.
Wear eye protection / face protection.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
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.
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.
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.

Department issuing SDS: Product Safety Department
Contact: Cyberbond Regulatory Department
Date of preparation / last revision 05/27/2015 / 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)
: Flammable liquids, 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