1 Identification

- **Product identifier**
- **Trade name:** Platinum Bond High Speed
- **Application of the substance / the mixture** Adhesives

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USA
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713.520.5848

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.
  H227 Combustible liquid.

- **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.

- **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.
Trade name: Platinum Bond High Speed

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.

Other hazards
Result 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:
  - 7085-85-0 ethyl 2-cyanoacrylate 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.
  - 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: Nitrogen oxides (NOx)
  - Advice for firefighters
    - Protective equipment: Wear self-contained respiratory protective device.

6 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.

(Contd. on page 3)
Trade name: Platinum Bond High Speed

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:
    - 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:

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>7085-85-0 ethyl 2-cyanoacrylate</td>
<td></td>
</tr>
<tr>
<td>TLV Long-term value: 1 mg/m³, 0.2 ppm</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.
    - 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 breakthrough 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:** Black
- **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:
- **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
- 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
- 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

<table>
<thead>
<tr>
<th>IARC (International Agency for Research on Cancer)</th>
<th>2B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1333-86-4 Carbon black</td>
<td></td>
</tr>
<tr>
<td>123-31-9 1,4-dihydroxybenzene</td>
<td>3</td>
</tr>
</tbody>
</table>

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
- NA1993

DOT
- NA1993

ADN, IMDG, IATA
- Void

UN proper shipping name
- COMBUSTIBLE LIQUID, N.O.S (ethyl 2-cyanoacrylate)

DOT
- Void

ADN, IMDG, IATA
- Void

Transport hazard class(es)
- Void

DOT, ADN, IMDG, IATA
- Void
**Trade name:** Platinum Bond High Speed

- **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):**
  - 7085-85-0 ethyl 2-cyanoacrylate
  - 87-66-1 pyrogallol
  - 33703-08-1 Diisononyl adipate
  - 17455-13-9 1,4,7,10,13,16-hexaoxacyclocotadecane
  - 1333-86-4 Carbon black
  - 123-31-9 1,4-dihydroxybenzene
  - 109-63-7 diethyl ether–boron trifluoride
- **Proposition 65**
  - **Chemicals known to cause cancer:**
    - 1333-86-4 Carbon black
  - **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)**
    - 1333-86-4 Carbon black A4
    - 123-31-9 1,4-dihydroxybenzene A3
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    - 1333-86-4 Carbon black
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
Trade name: Platinum Bond High Speed

Hazard pictograms

- GHS07

Signal word: Warning

Hazard-determining components of labeling:
ethyl 2-cyanoacrylate

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May cause respiratory irritation.

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Specific treatment (see on this label).
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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.