

**Material Safety data sheet
according to 1907/2006/EC, Article 31**

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- **Trade name: Crystalbond 590**
- **Article number: 51-1625-0381**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against.** No further relevant information available.
- **Application of the substance / the preparation:** Intended use: Cyanoacrylate
- **1.3 Details of the supplier of the safety data sheet Supplier:**
Oxford Instruments NanoAnalysis
Halifax Rd, High Wycombe HP12 3SE
United Kingdom
Tel: +44 (0) 1494 442255
- Further information obtainable from: Technical Support

SECTION 2: Hazards Identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
The product is not classified, according to the CLP regulation.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.
- Dangerous components:
CAS: 7727-43-7
EINECS: 231-784-4
barium sulphate, natural substance with a Community workplace exposure limit 30.0%
- Additional information: For the wording of the listed hazard phrases refer to section 16

SECTION 4: First Aid Measures

- 4.1 Description of first aid measures
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

Trade name: CRYSTALBOND 59

SECTION 5: Firefighting Measures

5.1 Extinguishing media

- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

- 5.3 Advice for firefighters
- Protective equipment: No special measures required

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.

- 6.2 Environmental precautions: No special measures required.
- 6.3 Methods and material for containment and cleaning up: Pick up mechanically.
- 6.4 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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special measures required.

- Information about fire - and explosion protection: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- 7.3 Specific end use(s) No further relevant information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- Additional information about design of technical facilities: No further data; see item 7.
- Ingredients with limit values that require monitoring at the workplace: 7727-43-7 barium sulphate, natural.

WEL Long-term value: 10* 4** mg/m³

*inhalable dust **respirable dust

- Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

- Personal protective equipment:
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

- Respiratory protection: Not required.

Protection of hands: Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. 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.

- Eye protection: Not required.

Trade name: CRYSTALBOND 590

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical properties

• General Information

• Appearance:

Form: Solid - Colour: Brown • Odour: Odourless • Odour threshold: Not determined.

• pH-value: Not applicable.

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: Undetermined.

• Flash point: 301 °C • Flammability (solid, gas): Not determined • Ignition temperature: >300 °C

• Decomposition temperature: Not determined. • Auto-ignition temperature: Product is not selfigniting. •

Explosive properties: Product does not present an explosion hazard. • **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

• Vapour pressure: Not applicable.

• Density: Not determined.

• Relative density Not determined.

• Vapour density Not applicable.

• Evaporation rate Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

• 10.2 Chemical stability

• Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

• 10.3 Possibility of hazardous reactions No dangerous reactions known.

• 10.4 Conditions to avoid No further relevant information available.

• 10.5 Incompatible materials: No further relevant information available.

• 10.6 Hazardous decomposition products: No dangerous decomposition products known

SECTION 11: Toxicological information

11.1 Information on toxicological effects

• Acute toxicity Based on available data, the classification criteria are not met.

• Specific symptoms in biological assay:

• Skin corrosion/irritation Based on available data, the classification criteria are not met.

• Serious eye damage/irritation Based on available data, the classification criteria are not met.

• Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

• Additional toxicological information:

• CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

• Germ cell mutagenicity Based on available data, the classification criteria are not met.

• Carcinogenicity Based on available data, the classification criteria are not met.

• Reproductive toxicity Based on available data, the classification criteria are not met.

• STOT-single exposure Based on available data, the classification criteria are not met.

• STOT-repeated exposure Based on available data, the classification criteria are not met.

• Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: : Ecological information

12.1 Toxicity

• Aquatic toxicity: No further relevant information available.

• 12.2 Persistence and degradability No further relevant information available.

• 12.3 Bioaccumulative potential No further relevant information available

Trade name: di-Sodium hydrogen phosphate dodehydrate

SECTION 12: Continued...

12.4 Mobility in soil No further relevant information available.
 • Additional ecological information:
 • General notes: Not hazardous for water.
 • 12.5 Results of PBT and vPvB assessment
 • PBT: Not applicable.
 • vPvB: Not applicable.
 12.6 Other adverse effects No further relevant information available

SECTION 13: Disposal Considerations

- 13.1 Waste treatment methods
- Recommendation Smaller quantities can be disposed of with household waste.
- Recommendation: Disposal must be made according to official regulations

SECTION 14: Transport Information

14.1 UN-Number
 • ADR, ADN, IMDG, IATA Void
 • 14.2 UN proper shipping name
 • ADR, ADN, IMDG, IATA Void
 • 14.3 Transport hazard class(es)
 • ADR, ADN, IMDG, IATA
 • Class Void
 • 14.4 Packing group
 • ADR, IMDG, IATA Void
 • 14.5 Environmental hazards: Not applicable.
 • 14.6 Special precautions for user Not applicable.
 • 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.
 • UN "Model Regulation": Void

SECTION 15: Ecological information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 • Directive 2012/18/EU
 • Named dangerous substances - ANNEX I None of the ingredients is listed.
 • 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out

SECTION 16: Other information

This information is based on our present knowledge and should assist the user with the safe handling of this material when properly applied. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

• * Data compared to the previous version altered