

Revision date: 25/10/2019

Supersedes date: 20/04/2016

SAFETY DATA SHEET
GR415

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking1.1. Product identifier

Product name GR415

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Adhesive.

1.3. Details of the supplier of the safety data sheetSupplier Grosvenor Electronic Supplies (UK)
Priory Tec. Park
Saxon Way.
Hessle
East Yorkshire
HU13 9PB
United Kingdom
+44 (0) 1482 627327

sales@grosvenorgroup.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 1482 627327

SECTION 2: Hazards identification2.1. Classification of the substance or mixtureClassification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

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Precautionary statements	<p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P312 Call a POISON CENTRE/doctor if you feel unwell. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Supplemental label information	EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
Contains	ethyl 2-cyanoacrylate

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ethyl 2-cyanoacrylate	60-100%
CAS number: 7085-85-0	EC number: 230-391-5
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical advice/attention if you feel unwell.
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).
Skin contact	If adhesive bonding occurs, do not force skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water. Cyanoacrylates give off heat on solidification. In rare cases a large a large drop will generate enough heat to cause a burn. Burns should be treated normally after the adhesive has been removed from the skin if lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull apart with direct opposing action.

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Eye contact If the eye is bonded closed, release eyelashes with warm water by covering with wet pad. cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to de-bond the adhesive. Keep eye covered until de-bonding is complete, usually within in 1-3 days. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.

4.2. Most important symptoms and effects, both acute and delayed

General information Treat symptomatically.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Apply a pad soaked in warm water and allow the eyelids to separate. If adhesive bonding occurs, prise the skin apart slowly, working from the edge of the bonded area. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards The product is not flammable. Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.

5.3. Advice for firefighters

Protective actions during firefighting Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions The product is biodegradable.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Provide adequate ventilation. Do not use cloths for mopping up. Polymerise with water and scrape off floor.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13. For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions For personal protection, see Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store at temperatures between 2°C and 8°C.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

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Occupational exposure limits

ethyl 2-cyanoacrylate

Short-term exposure limit (15-minute): WEL 0.3 ppm 1.5 mg/m³

WEL = Workplace Exposure Limit.

8.2. Exposure controlsProtective equipment

Eye/face protection

Wear eye protection.

Hand protection

Wear protective gloves made of the following material: Polyethylene. polypropylene Do NOT use Polyvinyl chloride (PVC). Rubber (natural, latex). nylon cotton

SECTION 9: Physical and chemical properties9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Clear.
Odour	Characteristic.
Odour threshold	No information available.
pH	Not applicable.
Melting point	No information available.
Initial boiling point and range	96-150°C
Flash point	85°C
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	.293 mm Hg
Vapour density	No information available.
Relative density	No information available.
Solubility(ies)	Insoluble in water. Soluble in the following materials: Acetone.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Explosive properties	No information available.

9.2. Other information

Other information	None.
Volatile organic compound	20 g/l

SECTION 10: Stability and reactivity

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10.1. Reactivity

Reactivity Polymerisation will occur in the presence of moisture and other basic materials.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Polymerisation will occur in the presence of moisture and other basic materials.

10.4. Conditions to avoid

Conditions to avoid None known.

10.5. Incompatible materials

Materials to avoid Moisture.

10.6. Hazardous decomposition products**SECTION 11: Toxicological information**11.1. Information on toxicological effects

Toxicological effects Considered low toxicity.

Inhalation Vapours may irritate eyes and respiratory system May cause inhalation hypersensitivity (occupational asthma) in sensitive individuals.

Ingestion Cyanoacrylates are considered to have relatively low toxicity. It is almost impossible to swallow as it rapidly polymerises in the mouth.

Skin contact Bonds skin and eyes in seconds. May cause skin irritation.

Eye contact Bonds skin and eyes in seconds. In a dry atmosphere vapours may cause irritation and lachrymatory effect.

SECTION 12: Ecological information

Ecotoxicity There are no data on the ecotoxicity of this product.

12.1. Toxicity

Ecotoxicity

Toxicity Low

12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

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12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations13.1. Waste treatment methods

General information Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazardsEnvironmentally hazardous substance/marine pollutant
No.14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC CodeTransport in bulk according to Not applicable.
Annex II of MARPOL 73/78
and the IBC Code**SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixtureEU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Dangerous Preparations Directive 1999/45/EC.15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

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EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

SECTION 16: Other information

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SDS number	4849
Hazard statements in full	H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

WARRANTY: All products purchased from or supplied by Grosvenor are subject to terms and conditions set out in the contract. Grosvenor warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Grosvenor is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Grosvenor makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.