

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

15 - B Gel, clear

Product no.

15

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

Clear cyanacrylat filler

Uses advised against

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The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

HBC System Smarttool Production ApS

Hobrovej 961-963

9530 Støvring

Denmark

tel:+45 70 22 70 70

Contact person

Vibeke Jørgensen

E-mail

info@hbc-system.com

SDS date

2016-05-17

SDS Version

1000.0

1.4. Emergency telephone number

Use your national or local emergency number

See section 4 "First aid measures"

SECTION 2: Hazards identification

▼ 2.1. Classification of the substance or mixture

Eye Irrit. 2; H319

Skin Irrit. 2; H315

STOT SE 3; H335

See full text of H-phrases in section 2.2.

2.2. Label elements

▼ **Hazard pictogram(s)**



▼ **Signal word**

Warning

▼ **Hazard statement(s)**

Causes serious eye irritation. (H319)
 Causes skin irritation. (H315)
 May cause respiratory irritation. (H335)

▼ **Safety statement(s)**

<p>General</p> <p>Prevention</p> <p>Response</p> <p>Storage</p> <p>Disposal</p>	<p>If medical advice is needed, have product container or label at hand. (P101). Keep out of reach of children. (P102). Wear protective gloves/protective clothing/eye protection. (P280). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338). Store locked up. (P405). Dispose of contents/container to an approved waste disposal plant. (P501).</p>
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▼ **Identity of the substances primarily responsible for the major health hazards**

Ethyl 2-cyanoacrylate

▼ **2.3. Other hazards**

This product contains an organic solvent. Repeated exposure to organic solvents can result in damage to the nervous system and inner organs, such as the liver and kidneys.

▼ **Additional labelling**

Cyanoacrylate. Danger. Bonds to skin and eyes in seconds. Keep out of reach of children.

▼ **Additional warnings**

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▼ **VOC**

VOC-MAX: 1035 g/l, MAXIMUM VOC CONTENT (B/c1): 540 g/l.

SECTION 3: Composition/information on ingredients

▼ **3.1/3.2. Substances/Mixtures**

NAME:	Ethyl 2-cyanoacrylate
IDENTIFICATION NOS.:	CAS-no: 7085-85-0 EC-no: 230-391-5 Index-no: 607-236-00-9
CONTENT:	60-100%
CLP CLASSIFICATION:	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3 H315, H319, H335
NOTE:	S

(*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.
 S = Organic solvent

Other informations

SECTION 4: First aid measures

4.1. Description of first aid measures

▼ **General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

▼ **Inhalation**

Get the person into fresh air and stay with them.

▼ **Skin contact**

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

▼ **Eye contact**

Remove contact lenses. Flush eyes with water (20-30°C) for at least 15 minutes. Call a doctor.

▼ **Ingestion**

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

Burns

Not applicable

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

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

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

No special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

▼ 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

▼ 5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Nitrogen oxides. Carbon oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

▼ 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

▼ 6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of vapours from waste material.

▼ 6.2. Environmental precautions

No specific requirements.

▼ 6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

▼ 6.4. Reference to other sections

See section on "Disposal considerations" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

▼ 7.1. Precautions for safe handling

See section on 'Exposure controls/personal protection' for information on personal protection.

▼ 7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original.

▼ Storage temperature

5 til 25°C

▼ 7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

▼ OEL

Ethyl 2-cyanoacrylate (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m³

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

▼ **DNEL / PNEC**

No data available.

8.2. Exposure controls

▼ Compliance with the stated exposure limits values should be checked on a regular basis.

General recommendations

▼ Observe general occupational hygiene.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

▼ **Exposure limits**

Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values below.

▼ **Appropriate technical measures**

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values (see below). Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

▼ **Hygiene measures**

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

▼ **Measures to avoid environmental exposure**

No specific requirements.

Individual protection measures, such as personal protective equipment



▼ **Generally**

Use only CE marked protective equipment.

▼ **Respiratory Equipment**

If the ventilation at the work place is not sufficient, use a half or whole mask with an appropriate filter or an air-supplied respiratory protector. The choice depends on the concrete work situation and how long you will be using the product.

▼ **Skin protection**

Special work clothing should be used.

▼ **Hand protection**

Use protective gloves. The concrete work situation is not known. Contact the suppliers of the gloves for help on the glove type. Please note that elastic gloves stretch when used. The thickness of the gloves, and therefore their penetration time, will be reduced. Moreover, the temperature of the glove in use is about 35°C, while the standard test, EN 374-3, is done at 23°C. The penetration time is therefore reduced by a factor of 3.

▼ **Eye protection**

Use safety glasses with a side shield.

SECTION 9: Physical and chemical properties

▼ **9.1. Information on basic physical and chemical properties**

Form	Colour	Odour	pH	Viscosity	Density (g/cm ³)
Liquid	Colourless	Sharp/pungent	6-7	500-900 Ps	1,1

▼ **Phase changes**

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	>150	-

▼ **Data on fire and explosion hazards**

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
>85	-	-
Explosion limits (Vol %)	Oxidizing properties	
-	-	

▼ **Solubility**

Solubility in water

Insoluble

n-octanol/water coefficient

-

▼ **9.2. Other information**

Solubility in fat

-

Additional information

N/A

SECTION 10: Stability and reactivity

▼ **10.1. Reactivity**

Hardens on contact with water.

▼ **10.2. Chemical stability**

The product is stable under the conditions, noted in the section on "Handling and storage".

▼ **10.3. Possibility of hazardous reactions**

No special

▼ **10.4. Conditions to avoid**

Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

▼ **10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reductants agents.

▼ **10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

▼ **Acute toxicity**

Substance

Ethyl 2-cyanoacrylate

Species

Rat

Test

LD50

Route of exposure

Oral

Result

5 mL/kg

▼ **Skin corrosion/irritation**

Causes skin irritation.

▼ **Serious eye damage/irritation**

Causes serious eye irritation.

▼ **Respiratory or skin sensitisation**

No data available.

▼ **Germ cell mutagenicity**

No data available.

▼ **Carcinogenicity**

No data available.

▼ **Reproductive toxicity**

No data available.

▼ **STOT-single exposure**

May cause respiratory irritation.

▼ **STOT-repeated exposure**

No data available.

▼ **Aspiration hazard**

No data available.

▼ **Long term effects**

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system.

Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled.

Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

SECTION 12: Ecological information

▼ **12.1. Toxicity**

Substance

Species

Test

Test duration

Result

According to EC-Regulation 1907/2006 (REACH)

No data available.

▼ **12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
No data available.			

▼ **12.3. Bioaccumulative potential**

Substance	Potential bioaccumulation	LogPow	BFC
No data available.			

▼ **12.4. Mobility in soil**

No data available

▼ **12.5. Results of PBT and vPvB assessment**

No data available

▼ **12.6. Other adverse effects**

No special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

▼ **Waste**

EWC code
08 01 11

▼ **Specific labelling**

-

▼ **Contaminated packing**

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

SECTION 14: Transport information

This product is covered by the conventions on dangerous goods.

14.1 – 14.4

▼ **ADR/RID**

14.1. UN number	3334
14.2. UN proper shipping name	AVIATION REGULATED LIQUID, N.O.S. (Ethyl 2-cyanoacrylate)
14.3. Transport hazard class(es)	9
14.4. Packing group	-
Notes	-
Tunnel restriction code	-

▼ **IMDG**

UN-no.	3334
Proper Shipping Name	AVIATION REGULATED LIQUID, N.O.S. (Ethyl 2-cyanoacrylate)
Class	9
PG*	-
EmS	-
MP**	-
Hazardous constituent	-

▼ **IATA/ICAO**

UN-no.	3334
Proper Shipping Name	AVIATION REGULATED LIQUID, N.O.S. (Ethyl 2-cyanoacrylate)
Class	9
PG*	III

▼ **14.5. Environmental hazards**

-

▼ **14.6. Special precautions for user**

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▼ **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

▼ Restrictions for application

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC. Must not be used by persons suffering acrylic dermatitis.

▼ Demands for specific education

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Additional information

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

IDirective 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.

EC Regulation 1272/2008 (CLP).

EC regulation 1907/2006 (REACH).

▼ 15.2. Chemical safety assessment

No

SECTION 16: Other information

▼ Full text of H-phrases as mentioned in section 3

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

The full text of identified uses as mentioned in section 1

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Other symbols mentioned in section 2

-

Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

The safety data sheet is validated by

kbb

Date of last essential change (First cipher in SDS version)

2016-05-17

Date of last minor change (Last cipher in SDS version)

2016-05-17