

SAFETY DATA SHEET PURSUANT TO REGULATION (EC) NO. 1272/2008

SECTION 1: DESIGNATION OF THE SUBSTANCE AND/OR COMPOUND AND OF THE COMPANY

1.1 Product Identifier

Special adhesive 3g, Art. no.: 30050

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

Recommended use 1-component cyanoacrylate adhesive

1.3 Details of the supplier providing the safety data sheet

RUNPOTEC GmbH | Irlachstraße 31 | A-5303 Thalgau
Tel.: +43-6235-20335 | Fax: +43-6235-20335-35
office@runpotec.com | www.runpotec.com

1.4 Emergency phone number

Emergency information services / public advisory office:

Austria: Vergiftungsinformationszentrale der Gesundheit Österreich GmbH, Vienna.
EMERGENCY PHONE NUMBER Tel.: 01 406 43 43 (from outside of Austria Tel.: +43 1406 43 43)
Switzerland: Tox Info Suisse, Freiestrasse 16, CH-8032 Zurich. National 24-h emergency call number: 145

SECTION 2. POTENTIAL RISKS

2.1 Classification of the substance or compound

Classification pursuant to regulation (EC) no 1272/2008 {CLP/GHS}

Hazard classes and categories	Hazards	Classification method
Skin Irrit. 2	H315	
Eye Irrit. 2	H319	
STOT SE 3	H335	

Hazards

H315 Causes skin irritations
H319 Causes serious eye irritation
H335 Can irritate the respiratory system

2.2 Marking elements

Marking pursuant to regulation (EC) no 1272/2008 {CLP/GHS}



GHS07

Signal word

Attention!

Hazards

H315 Causes skin irritation
H319 Causes serious eye irritation
H335 Can irritate the respiratory system

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Safety information

P102	Keep out of reach of children
P261	Avoid inhalation of fumes/spray
P264	Clean hands thoroughly after use
P271	Use only outdoors or in well ventilated areas
P302 + P352	IN CASE OF CONTACT WITH SKIN: Wash with plenty of water/soap.
P304 + P340	IF INHALED: Take the person to fresh air and help them to breathe freely
P305 + P351 + P338	IN CASE OF CONTACT WITH THE EYES: Rinse gently with water for a few minutes. If possible, remove any contact lenses. Continue to rinse the eyes
P312	If you feel unwell, call TOXIN INFORMATION CENTRE/doctor.
P332 + P313	In case of skin irritation: Get medical advice/seek medical attention.
P337 + P313	If eye irritation persists: Get medical advice/seek medical attention.
P362	Remove contaminated clothing.
P403 + P233	Store in a well-ventilated location. Keep container tightly sealed
P405	Keep sealed
P501	Dispose of contents/container as problematic waste.

Special requirements for supplementary marking elements for certain compounds

Cyanoacrylate. Danger. Glues skin and eyelids together within seconds. Keep out of reach of children.

2.3 Other hazards

Results of PBT and vPvB assessment

The substances in the compound do not meet the PBT/vPvB hazard criteria according to REACH, Annex XIII.

SECTION 3. Composition/Details on components

3.1 Substances

not applicable

3.2 Compounds

Description

Single-component adhesive based on cyanoacrylic acid alkyl ester

Hazardous ingredients (continued)

CAS no.	EC no.	Designation	(Weight %)	Classification pursuant to regulation (EC) no 1272/2008 {CLP/GHS}
7085-85-0	230-391-5	Ethyl-2-cyanoacrylate	85 - 99.9	Eye Irrit. 2, H319 /STOT SE 3, H335 /Skin Irrit. 2, H315

REACH

CAS no.	Designation	REACH Registration no.
7085-85-0	Ethyl-2-cyanoacrylate	01-2119527766-29

SECTION 4. First aid measures

4.1 Description of first aid measures

General Information

Immediately remove soiled, impregnated clothing. Take the affected person to fresh air.

After inhaling

Take the affected person to fresh air and help them adopt a rest position. In case of complaints, seek medical treatment.

After skin contact

In case of skin contact, wash immediately with soap and water. Do not remove solidified product from skin. Seek medical treatment

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After eye contact

In case of contact with eyes, rinse under running water for 15 minutes. Transfer to a hospital for examination by a specialist.

After swallowing

Seek medical advice immediately

4.2 Most important symptoms and effects, both acute and delayed

Information for the doctor/possible symptoms

Breathing difficulty, skin irritation

4.3 Indication of any immediate medical attention and special treatment needed

Information not provided

SECTION 5: Fire fighting measures

5.1 Extinguishing agents

Suitable extinguishing agents

alcohol-resistant foam
Dry powder extinguishing agent
Carbon dioxide

Unsuitable extinguishing agents

Full jet of water

5.2 Special hazards arising from the substance or compound

Formation of dangerous gases possible in case of fire.
Nitrogen oxides (NO_x)
Carbon monoxide (CO)
Carbon dioxide (CO₂)

5.3 Advice for firefighters

Special fire fighting equipment

Extinguishing, rescue and clean-up work under the influence of fire or smouldering gases may only be carried out with heavy respiratory protection. Do not inhale explosive and incendiary gases.

5.4 Other notes

Fire residues and contaminated extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Use personal protective clothing.
Use respiratory protection when exposed to vapour/dust/aerosol

6.2 Environmental precautions

Do not allow the product to enter sewers or bodies of water.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g., sand, diatomaceous earth, acid absorbent, universal binding agent, sawdust).
Dispose of in line with regulations

6.4 Reference to other sections

Safe handling: see Section 7
Disposal: see section 13
Personal protective equipment: See section 8

SECTION 7: Handling and storage

7.1 Information for safe handling

Information for safe handling

Ensure good ventilation of the room; if necessary use extraction at the workplace. Open and handle container with care!

General protection measures

Do not inhale vapours
 Avoid eye and skin contact
 Ensure sufficient ventilation

Hygiene measures

Do not smoke, eat or drink while working
 Immediately wash soiled clothing
 Work in well ventilated areas
 Wash hands before taking breaks or when finishing work

Notes concerning fire and explosion protection

Observe the general rules of preventive operational fire protection

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Keep in original containers and tightly closed.

Information on storage in a shared storage facility

Do not store together with animal feeds
 Do not store together with foods
 Keep away from water

Further information about storage conditions

Store at +5 to +25 °C
 Keep container tightly sealed and in cool and well-ventilated place
 Protect from heat and direct sunlight.

Storage class 10

7.3 Specific end uses

Recommendation(s) for specific use

See Section 1.2

SECTION 8: Limiting and monitoring exposure/personal protective equipment

8.1 Parameters to be monitored

Components with workplace related threshold values subject to monitoring

CAS no.	Designation	TYPE	{mg/m ³ }	{ppm}	Peak load.	Comment
7085-85-0	Cyanoacrylic acid ethyl ester (CH)	MAK, 8 hours	9	2		OAW & skin

Additional notes

National and local regulations must be observed.

8.2 Limiting and monitoring exposure

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Respiratory protection

Respiratory protection in case of insufficient extraction or prolonged exposure.
 Short-term filter unit, Filter AX

Hand protection

Chemical protection gloves must be selected specifically for the work in question depending on the concentration and quantity of hazardous substances.
 It is recommended to verify the chemical resistance of the above mentioned protective gloves for special applications by contacting the glove manufacturer.
 Information on glove material [type/type, thickness, penetration time/wear duration, wetting strength]: Nitrile; 0.4 mm, 60 min, 480 min. e.g. "Camatril Profi" by KCL - email: vertrieb@kcl.de

Eye protection

Tightly sealing protective goggles

Other protective measures

Work protective clothing

Suitable technical control equipment

Sufficient aeration and ventilation

SECTION 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Appearance Liquid
 Colour: Colourless
 Odour: Characteristic, pungent

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	with	Method	Comment
pH value	not determined				
Boiling point	150 °C				
Melting point	not determined				
Flash point	87 °C			DIN/ISO 2592	
Evaporation speed	not determined				
Flammability (solid)	not determined				
Flammability (gaseous)	not applicable				
Ignition temperature	> 100 °C				Estimated value
Self-ignition temperature	500 °C				
Lower explosion limit	not applicable				
Upper explosion limit	not applicable				
	Value	Temperature	with	Method	Comment
Vapour pressure	not determined				
Relative density	approx. 1 g/ cm3	20 °C			
Vapour density	not determined				

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Solubility in water					reacts with water
Solubility/Other	not determined				
Distribution coefficient in Octanol/Water (log P O/W)	not determined				
Decomposition temperature	not determined				
Dynamic viscosity 1	5 - 1500 mPa*s	20 °C			

Oxidising properties

none

Explosive properties

not applicable

9.2 Other information

Information not provided.

SECTION 10: Stability and reactivity

10.1 Reactivity

Information not provided.

10.2 Chemical stability

The product is chemically stable under the recommended storage, use and temperature conditions.

10.3 Possibility of dangerous reactions

Reactions with oxidising agents
 Explosive reaction with water
 Reactions with alcohols, amines, aqueous acids and alkalis.

10.4 Conditions to be avoided

In contact with water:
 Keep away from heat
 Polymerisation risk

10.5 Incompatible materials – Substances to avoid

Alkalis
 Alcohols
 Amines
 Oxidising agents, strong
 Water

10.6 Hazardous decomposition products

Gases/vapours, toxic
 Carbon monoxide and carbon dioxide
 Nitrogen oxides (NOx)

10.7 Thermal decomposition

Comment: No decomposition when used as directed

10.8 Further details

Polymerisation when heat is applied

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity/irritation/sensitisation

	Value/Evaluation	Species	Method	Comment
LD50 acute oral	> 5000			ATE
LD50 acute dermal	> 2000			ATE
Skin irritation	irritant			
Eye irritation	irritant			
Skin sensitisation	non sensitising			

Subacute toxicity - carcinogenicity

	Value	Species	Method	Evaluation
Chronic toxicity				-
Mutagenicity				No experimental evidence of genotoxicity in vitro present.
Reproductive toxicity				No evidence of reproductive toxic effects was observed in animal experiments.
Carcinogenicity				There are no indications of cancerogenic effects from long-term experiments.

Specific target organ toxicity (single exposure)

not applicable

Specific target organ toxicity (repeated exposure)

not applicable

Aspiration risk

not determined

Practical experience

Sensitisation has only been observed in hypersensitive individuals.
 Irritating to mucous membranes
 Irritating to eyes and skin

General remarks

The product must be handled with the usual care for chemicals. Further dangerous properties cannot be excluded. The product has not been inspected. The statement is derived from the properties of the individual components.

SECTION 12: Environmental information

12.1 Toxicity

Information not provided

12.2 Persistence and degradability

	Degree of elimination	Analysis method	Method	Evaluation
Biodegradability			not applicable	

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12.3 Bioaccumulation potential

The product has not been inspected. Bioavailability is unlikely due to the consistency and low water solubility of the product.

12.4 Mobility in the ground

not applicable

12.5 Results of PBT and vPvB assessment

The substances in the compound do not meet the PBT/vPvB hazard criteria according to REACH, Annex XIII.

12.6 Other damaging effects

General Information

When used as intended, no environmental damage is known or to be expected. Do not allow products to enter the environment in an uncontrolled manner.

The ecotoxicity of the product has not been tested. The statement was derived from products of similar structure or composition.

SECTION 13. Disposal considerations

13.1, Waste treatment process

Waste ID
08 04 09*

Waste name
Waste adhesives and sealants containing organic solvents or other dangerous substances

Waste marked with an asterisk (*) is considered hazardous waste within the meaning of Directive 2008/98/EC on hazardous waste.

Recommendation for the product

Disposal in accordance with local regulations.

Recommendation for packaging

Carefully polymerise the contents with water or alkali.
Disposal in line with regulations

General Information

The assignment of the waste code numbers/waste designations must be carried out in accordance with EAKV for specific industries and processes.

SECTION 14: Transport instructions

	ADR/RID	IMDG	IATA-DGR
14.1. UN Number	-	-	-
14.2. Correct UN shipping name	-	-	-
14.3. Transport hazard class	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6 Special precautions for the user

Information not provided

14.7. Transport in bulk in accordance with Annex II of MARPOL 73/78 and the IBC Code

not applicable

Further transport instructions

Not classified as dangerous goods within the meaning of transport regulations - ADR/RID (GGVSEB), IMDG (GGV-See), ICAO/IATA-DGR.

SECTION 15: Legal provisions

15.1 Safety, health and environmental protection/legislation specific to the substance or compound

VOC DIRECTIVE

VOC content 2%
VOC VALUE approx. 20 g/L

National regulations

Information on employment restrictions

Observe employment restrictions for young people.
Observe employment restrictions for expectant and breastfeeding mothers.
The national laws concerning employment restrictions must be observed.

! Other regulations, restrictions and prohibition ordinances
Accident prevention regulation "Processing of adhesives" (VBG 81)
ZH 1/129 "Data sheet: Irritant substances/corrosive substances (M 004)"

Water hazard class 3 AwSV Annex 1 para. 5 - precautionary classification WHC 3 due to lack of publications by the Umwelt Bundesamt (German Federal Environment Agency). WHC 3 chemical however very unlikely, highly hazardous to water

Chemical safety assessment

Chemical safety assessments for substances in this compound have not been carried out.

SECTION 16: Other information

16.1 Recommended use and restrictions

Existing national and local laws regarding chemicals must be observed. Nur für den gewerblichen Gebrauch. / For industrial use only.

16.2 Further information

The national special regulations must be implemented by each user on their own responsibility! This information is based on our current knowledge and is intended to describe the product with regard to the safety precautions to be taken. It does not constitute a warranty of the properties of the described product.

Please observe additional information! -- Our safety data sheets have been prepared according to the valid EU directives, WITHOUT consideration of the special national regulations for handling hazardous substances and chemicals.

H315 Causes skin irritations
H319 Causes serious eye irritation
H335 Can irritate the respiratory system