

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Rev. 2015-01

1. Identification of the substance/preparation and of the company/undertaking

Information on the product

Trade name: picodent picocryl

Company/undertaking identification:

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Responsible Department:

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2. Hazards identification

Classification of the material or mixture

Classification in accordance with Regulation
(EC) No 1272/2008 [CLP]

Hazard pictograms
Signal word



WARNING

Skin Irrit. 2 - H315 Causes skin irritation.
Eye Irrit. 2 - H319 Causes severe eye irritation.
STOT SE 3 - H335 Can irritate the airways.
Classification according to the translation table in Annex VII
1272/2008/EC

Classification in accordance with Directives
67/548/EEC and 1999/45/EC

Hazard symbols



R phrases

Irritant

R 36/37/38: Irritates eyes, respiratory organs and the skin.
The product is classified and subject to mandatory labelling in
accordance with EC regulations.

Labelling elements

Labelling in accordance with Directive
67/548/EEC or 1999/45/EC



Hazard symbols

Irritant

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Trade name: picodent picocryl

R phrases

S phrases

R 36/37/38: Irritates eyes, respiratory organs and the skin.

S 2: Keep out of the reach of children.

S 23.3: Do not breathe vapour.

S 24/25: Avoid contact with eyes and skin.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 46: If swallowed, seek medical advice immediately and show this container or label.

S 51: Only use in well-ventilated areas.

Cyanoacrylate! Danger! Adheres skin and eyelids together within seconds. Keep out of the reach of children.

Special labelling

Other hazards

Health hazards

Other hazards

Has a degreasing effect on the skin.

none

3. Composition/information on ingredients

Product type:

The product is a mixture.

Content [%]

80 - < 100

Constituent

Ethyl 2-cyanoacrylate

CAS: 7085-85-0, EINECS/ELINCS: 230-391-5, EU-INDEX: 607-236-00-9

GHS/CLP: Eye Irrit. 2 - H319 - STOT SE 3 - H335 - Skin Irrit. 2 - H315

EEC: Xi, R 36/37/38

Constituents comment

SVHC list (Candidate List of Substances of Very High Concern for authorisation): Contains none or less than 0.1% of the listed substances.

The wording of the quoted R/H phrases can be found in section 16.

4. First aid measures

Description of First Aid measures

General notes

After inhalation

After skin contact

After eye contact

After swallowing

Change wet clothing.

Provide fresh air.

Seek medical attention in the event of discomfort.

On contact with the skin, immediately wash away with plenty of soap and water.

In the event of persistent skin irritations, seek medical attention.

In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Seek medical attention.

Rinse mouth and drink plenty of water.

Induce vomiting if patient is conscious. Medical attention.

Most important acute and delayed symptoms and effects

Irritant effects

Indications of emergency medical attention or special treatment

Treat symptomatically.

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Trade name: picodent picocryl

5. Fire-fighting measures

Extinguishing agents

Suitable extinguishing agents

Carbon dioxide.
Water spray.
Sand.
Extinguishing powder.

Unsuitable extinguishing agents

Full jet of water.

Particular hazards due to the material or mixture

Carbon monoxide (CO).
Nitrogen oxide (NOx).
Risk of formation of toxic pyrolysis products.

Notes on fire-fighting

Do not inhale explosion and fire gases.
Use breathing equipment that is independent of the surrounding air.
Cool endangered containers with water spray.
Collect contaminated fire-fighting water separately. Do not allow product to access the drainage system.

6. Accidental release measures

Personal precautionary measures, protective equipment and procedures to be used in an emergency

Ensure sufficient ventilation.
Keep away from sources of ignition.
Causes slippery floors on contact with water.
Use respiratory protection on contact with vapours/dust/aerosol.

Environmental protection measures

Prevent spreading over large areas (e.g. through confinement or an oil barrier).
Do not allow product to access the drainage system/surface water/ground water.

Methods and material for retention and cleaning

Collect with a material that absorbs liquid (e.g. sand, sawdust, universal binder, Kieselguhr).
Dispose of the absorbed material in accordance with the specifications.

Reference to other sections

See section 8+13

7. Handling and storage

Protective measures for safe handling

Only use in well-ventilated areas.
Avoid spillage or spraying in enclosed rooms.
Keep away from sources of ignition - do not smoke.
During processing, readily volatile, flammable components can be released.

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Trade name: picodent picocryl

Conditions for safe storage taking into account incompatibilities

Only use containers that are specially approved for the material/product.
Ensure sealed floors that are resistant to solvents.
Do not store with oxidants.
Protect from warmth/overheating.
Keep container in a well-ventilated place.
Keep container tightly closed.
Recommended storage temperature: 2-8 °C.
See Use of the Product, Section 1.2

Specific end uses

8. Exposure controls/personal protection

Parameters to be monitored

Maximum allowable concentrations (DE)

Not relevant

Limitation and monitoring of exposure

Additional notes on the design of technical systems

Ensure sufficient ventilation in the workplace.

Eye protection

Safety goggles.

Hand protection

The information provided is intended as a recommendation.
For more information, please contact the glove supplier.

On prolonged contact

Butyl rubber, >480 min (EN 374).

On splash contact

Nitrile rubber, >480 min (EN 374).

Body protection

Light protective clothing.

Other protective measures

Do not inhale gases/vapours/aerosols.

Avoid contact with eyes and skin.

Personal protective equipment should be selected specifically for the workplace based on the concentration and quantity of the hazardous substances. The chemical resistance of the protective equipment should be clarified with the company that supplies it.

Do not eat, drink, smoke or take snuff tobacco when working.

Clean skin thoroughly after work and during breaks.

Preventative skin protection using skincare ointment.

Respiratory protection

Respiratory protection at high concentrations.

Short-term filter equipment, filter A.

Thermal dangers

Not applicable

Limitation and monitoring of environmental exposure

See section 6+7.

9. Physical and chemical properties

Information on the underlying physical and chemical properties

Form

Liquid

Colour

Colourless

Odour

Pungent

Odour threshold

Not determined

pH value

Not applicable

pH value [1 %]

Not applicable

Boiling point [°C]

150

Flashpoint [°C]

85

Flammability [°C]

Not determined

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Trade name: picodent picocryl

Lower explosive limit	Not determined
Upper explosive limit	Not determined
Oxidising	No
Vapour pressure/gas pressure [kPa]	0.293 mmHG
Density [g/ml]	1.04
Bulk density [kg/m³]	Not applicable
Solubility in water	Insoluble
	Reacts with water
Partition coefficient [n-octanol/water]	Not determined
Viscosity	Not applicable
Relative vapour density [base value: air]	Not determined
Evaporation rate	Not determined
Melting point [°C]	Not determined
Self-ignition [°C]	490
Decomposition point [°C]	Not determined
Other information	None

10. Stability and reactivity

Reactivity	None known with proper use.
Chemical stability	The product is stable under normal conditions.
Hazardous reactions	Reactions with strong oxidants. Reactions with water. Reactions with amines. Reactions with alcohols. Reactions with alkalis.
Conditions to avoid	See section 7.2.
Incompatible materials	See section 10.3.
Hazardous products of decomposition	Irritant gases/vapours.

11. Toxicological information

Information on toxicological effects

Acute toxicity

Content [%]	Constituent
80 - < 100	Ethyl 2-cyanoacrylate, CAS: 7085-85-0 LD50, oral, rat: > 5000 mg/kg.

Serious eye damage/eye irritation	Not determined
Corrosive/irritant effect on the skin	Not determined
Sensitisation of the airways/skin	Not determined
Specific target organ toxicity with single exposure	Not determined
Specific target organ toxicity with repeated exposure	Not determined
Mutagenicity	Not determined
Reproductive toxicity	Not determined
Carcinogenicity	Not determined

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Trade name: picodent picocryl

General comments

The classification was undertaken in accordance with the calculation method for the preparation guidelines.

12. Ecological information

Toxicity

Persistence and degradability

Behaviour in environmental compartments

Not determined

Behaviour in wastewater treatment plants

Not applicable

Biodegradability

Not applicable

Bioaccumulation potential

No information available.

Mobility in the ground

No information available.

Results of PBT and vPvB assessment

No information available.

Other hazardous effects

No ecological data available for the overall product.

Do not allow product into the environment in an uncontrolled manner.

Do not allow product to access the drainage system.

13. Disposal considerations

Procedures for handling waste

Product remnants are to be disposed of while observing Directive 2008/98/EC on waste and the national and regional regulations. No waste key number can be determined for this product in accordance with the European Waste Catalogue (AVV) as only the purpose of use by the consumer permits allocation. The waste key number is to be determined within the EU by arrangement with the waste disposal company.

Product

AVV No. (recommended)

Dispose of as hazardous waste.

080409* adhesive and sealant waste that contains organic solvents or other hazardous materials.

Uncleaned packaging

Packaging that is not contaminated can be recycled.

Packaging that cannot be cleaned should be disposed of like the substance itself.

AVV No. (recommended)

150110* packaging that contains remnants of hazardous substances or is contaminated with hazardous substances.

14. Transport information

UN number

According to the UN shipping designation, see section 14.2.

Proper UN shipping designation

Land transport in accordance with ADR/RID
Inland navigation (ADN)

NOT DANGEROUS GOODS
NOT DANGEROUS GOODS

Transport by sea shipment in accordance with IMDG

NOT CLASSIFIED AS „DANGEROUS GOODS“
NOT CLASSIFIED AS „DANGEROUS GOODS“

Air transportation in accordance with IATA

Transport hazard classes

According to the UN shipping designation, see section 14.2.

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Trade name: picodent picocryl

Packaging group
Environmental hazards

According to the UN shipping designation, see section 14.2.
According to the UN shipping designation, see section 14.2.

Particular precautionary measures for the user

According to information under section 6 to 8.

Bulk shipment in accordance with Appendix II of the MARPOL Convention 73/78 and in accordance with the IBC code

Not applicable

15. Regulatory information

Regulations on safety, health protection and environmental protection/specific legal regulations for the material or the mixture

EU REGULATIONS

1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EU

TRANSPORT REGULATIONS NATIONAL REGULATIONS (DE):

ADR (2011); IMDG code (2011, 35th Amdt.); IATA-DGR (2012)
Ordinance on Hazardous Substances - GefStoffV 2010; German Detergents and Cleaning Products Act - WRMG;
German Federal Water Act - WHG; TRG 300; TRGS: 200, 615, 900, 905, notice 220. (TRGS220).
1, in accordance with VwVwS dated 27.07.2005 (last updated: 2011)
Not applicable

- **Water hazard class**
- **Hazardous Incident Ordinance**
- **Classification in accordance with the Technical Instructions on Air Quality Control**
- **GISBAU, product code**
- **Storage class (TRGS 510)**
- **Other regulations**

Not applicable
Not determined
Storage class 10: Flammable liquids
UVV: Processing of adhesives (VBG 81).
BGI 595: Memorandum: Irritant substances/corrosive substances (M 004).
TRGS 400: Risk assessment
TRGS 401: Hazard through skin contact. - Determination, assessment, measures.

Material safety evaluation

Material safety evaluations have not been undertaken for substances in this compound.

16. Other information

R phrases to section 3

R 36/37/38: Irritates eyes, respiratory organs and the skin.

Hazard warnings (section 3)

H319 Causes severe eye irritation.
H335 Can irritate the airways.
H315 Causes skin irritation.

Abbreviations and acronyms:

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
RID = Regulations concerning the International Carriage of Dangerous Goods by Rail
ADN = European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
AVV = List of wastes directive
BGI = Information from an employer's liability insurance association

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Trade name: picodent picocryl

CAS = Chemical Abstracts Service

CLP = Classification, labelling and packaging

DMEL = Derived minimum effect level

DNEL = Derived no effect level

EC50 = Median effective concentration

ECB = European Chemicals Bureau

EEC = European Economic Community

EINECS = European Inventory of Existing Commercial Chemical Substances

ELINCS = European List of Notified Chemical Substances

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

IC50 = Inhibition concentration, 50%

IMDG = International Maritime Code for Dangerous Goods

IUCLID = International Uniform Chemical Information Database

LC50 = Lethal concentration, 50%

LD50 = Median lethal dose

MARPOL = International Convention for the Prevention of Marine Pollution from Ships

PBT = Persistent, bioaccumulative and toxic substance

PNEC = Predicted no-effect concentration

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

TLV®/TWA = Threshold limit value – time-weighted average

TLV®STEL = Threshold limit value – short-time exposure limit

TRGS = Technical regulation for dangerous substances

VOC = Volatile organic compounds

vPvB = Very persistent and very bioaccumulative

VwVwS = Administrative regulation on substances hazardous to water

Other information

Employment restrictions

yes

VOC (1999/13/EC)

0%

Customs tariff

Not determined

Altered positions

None

GV hazard group skin:

HB

GV hazard group inhalation:

E

GV release group:

Medium