

MATERIAL SAFETY DATA SHEET

1. Identification of the preparation and company.

Identification of the preparation: „Superadhesive“

Use of the preparation: for gluing metal, glass, rubber and some plastics.

Company identification

Seated in: Zakłady Chemiczne „ANSER” Sp. z o.o.
ul. J. Conrada 7, 01-922 Warszawa
tel.: (022) 663 70 73, fax: (022) 669 01 22

Production plant: Wiskitki, ul. Chemików 1

Technological department: ul. Chemików 1, 96-315 Wiskitki
tel.: (046) 856 73 40 through 49 ext. 208 (in weekdays 7 a.m. – 3 p.m.),
fax: (046) 856 73 50

Emergency telephone: (046) 856 73 40 through 49 ext. 219 (in weekdays 7 a.m. – 3 p.m.)
or 998 (Fire Brigade)

e-mail address of the competent person responsible for the Safety Data Sheet: reach@anser.pl

Date of sheet preparation: 09.01.2004

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2. Hazards identification

The product is classified as hazardous according to the provisions of relevant regulations.

Classification: Xi: R36/37/38.

Physicochemical effects

This product is flammable.

Human health effects

Product is irritating. Irritating to eyes, respiratory system and skin.
Symptoms and results of the product's adverse effects - see point 11.

Environmental effects

This product is not classified as hazardous for environment.

3. Composition and information on ingredients.

No.	Name	Content	CAS No.	EC No.	Annex I Index	Classification
1.	Ethyl cyanoacrylate	90 – 99%	7085-85-0	230-391-5	607-236-00-9	Xi: R36/37/38

4. First aid measures

General remarks

In case of intoxication call for a doctor or take the victim to hospital. Do not administer any antidotes or neutralizers, which are not advised in this sheet or by a doctor. No substances must be administered to an unconscious victim. Present this safety data sheet or the product label to the medical personnel, if possible.

Eye contact

Remove contact lenses. Do not use any neutralizers. Rinse eyes with considerable amount of cool water for about 15 minutes. Do not direct intensive water jet on the eye to avoid hurting the cornea. Provide medical assistance, should the irritation persist or increase.

Skin contact

Caution! Adhesive s gluing skin within several seconds durably.

Remove contaminated clothes. Rinse affected fingers with considerable amount of warm water and separate them. Provide medical assistance.

Inhalation

Leave (or take the victim out of) the contaminated area. Provide warmth, silence and fresh air. Apply artificial respiration if the respiratory action of the victim ceases and provide medical assistance immediately.

Ingestion

Don't induce vomiting. Don't give anything to drink. Provide medial assistance immediately.

5. Fire-fighting measures

General remarks

Inform the surroundings about the accident. Remove all people not involved in the liquidation of the accident from the premises. Order evacuation if the need arises. Fight minor fires with readily available extinguishing media. In case of major fires call Fire Brigades and the Police.

Fire threat

This product is flammable.

Suitable extinguishing media: dry chemicals, CO₂, foam, water – dispersed jets .

Unsuitable extinguishing media: condensed streams of water.

Minor fire: put out using dry-chemical or carbon-dioxide extinguisher.

Major fire: burning containers or spills shall be extinguished with foam or dispersed water jets; do not direct non-dispersed jets of water on the surface of the spill. Containers exposed to fire or excessive temperature shall be cooled with water from a safe distance and removed from the fire zone (risk of explosion), if possible.

Special hazards

Product burns with carbon monoxides and nitrogen compounds evolution.

Special protective equipment

Protective clothing and an apparatus protecting respiratory tract.

6. Accidental release measures

General instructions

Inform the surroundings about the accident. Remove all people not involved in the liquidation of the accident from the premises. Order evacuation if the need arises. Forbid using open fire. In case of major accidents call emergency services, fire brigade and the police. Caution! Adhesive s gluing skin within several seconds durably.

Personal precautions

Avoid skin and eye contact. Do not inhale vapours. Employ individual protective measures if the need arises - see point 8.

Environmental precautions

Secure sink basins. Prevent the product from reaching surface water.

Methods for cleaning up

Eliminate the leak, if possible (cut off the liquid supply, seal, place the damaged container in a tight protective container). In case of a major leak embank the spill and pump it out. Cover smaller spills with absorptive materials (sand, soil), collect into a tight container, rinse contaminated surface with water. Dispose of the discards in accordance with relevant regulations. (see point 13).

7. Handling and storage

Handling the substance: when applying the product follow the essential industrial safety regulations: do not eat, do not drink, avoid contact with the liquid and vapour breathing. Wash hands during pauses. Do not wear clothes contaminated with the product. Follow personal hygiene rules. Work in properly ventilated rooms. If the need arises use personal protection measures (as given in point 8).
Caution! Adhesive s gluing skin and eyelid within several seconds durably.

Storage: store in original, properly labelled, sealed containers in dry, cool, shadowy places. Keep away from sources of ignition. Keep away from direct sunlight and heat. Keep away from children.

8. Exposure control and personal protection

General remarks

It is advisable to provide efficient ventilation (general and local) of the workplace. In case of insufficient ventilation use certified respiratory tract protection equipment.

Occupational exposure limit values

This product does not contain any ingredients for which admissible concentration limits have been set.

Biological limit values

No data.

Occupational exposure controls

Respiratory protection: masks with type-A organic vapour absorbers.

Hand protection: protective gloves.

Eye protection: safety goggles.

Skin protection: protective clothing.

Attention: according to regulations in force, the employed personal protective equipment must be certified. Employer is obliged to ensure that the individual protection equipment in use as well as clothes and shoes have protective and practical properties and provide washing, conservation, repairs and decontamination thereof.

9. Physical and chemical properties

General information

- Physical state: liquid
- Colour: colourless
- Odour: specific, irritating

Important health, safety and environmental information

- pH not applicable
- Density: 1,1 g/cm³
- Boiling point: 36 °C
- Ignition temperature: >81 °C
- Auto-ignition temperature: no data
- Explosive properties: no data
- Oxidizing properties: no data
- Vapour pressure no data
- Relative density no data
- Solubility / miscibility
 - in water: doesn't form solution
 - in organic solvents dissolves in toluene, acetone
- Partition coefficient: n-octanol/water no data

Other information

- Melting point: no data
- Decomposition temperature: no data

10. Stability and reactivity

Stability

Under normal temperature and pressure the product is stable and no hazardous reactions occur with other substances.

Conditions and materials to avoid

High temperature. Strong oxidizers. Water. Basic chemical compounds.

Hazardous decomposition products

Do not form under normal conditions.

11. Toxicological information.

Adverse health effects

Product is irritating. Irritating to eyes, respiratory system and skin.

Exposure effects in humans

Inhalation: irritating to respiratory system.

Skin contact: irritating. Adhesive is gluing skin within several seconds durably.

Eyes contact: irritating. Adhesive is gluing eyelids within several seconds durably.

Oral: no data.

Acute toxicity

There are not available data concerning product.

Effects and symptoms of long-term exposure: no data.

Specific effects on human health: no data.

12. Ecological Information

Environmental effects

The product is not classified as hazardous to the environment.

Ecotoxicity

No data available for the product and its ingredients in question.

Mobility: no data.

Persistence and degradability: no data.

Bioaccumulative potential: no data.

Results of PBT assessment: no data

13. Disposal considerations

Recover waste, if possible.

Disposal of the preparation: Do not dispose of into sewers. Prevent surface and ground water from contamination. Do not dispose in landfills. Consider re-use. Recycle or neutralize waste in accordance with regulations in force.

Recommended neutralization method: consult local environmental protection service.

Waste code: 08 04 10 Wastes from adhesives and sealants, others than described in 08 04 09

Disposal of the packaging: Recycle or neutralize waste packages in accordance with regulations in force. Reuse returnable packaging after decontamination. Waste shall be neutralized in professional, certified incineration plants or waste neutralization plants.

Waste code: 15 01 02 Plasticpackaging

14. Transport information

This product is not subject to regulations on the transport of dangerous goods by road.

15. Regulatory information

Markings on labels

Identification: „**Superadhesive**“

Warning signs:

Xi



Xi - Irritating.

Risk phrases (R):

36/37/38 - Irritating to eyes, respiratory system and skin

Proper handling safety phrases (S):

2 - Keep out of the reach of children

24/25 - Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves

37 - Wear suitable gloves

46 - If swallowed, seek medical advice immediately and show this container or label

Relevant regulations (in force in Poland):

The Directive of the Commission of The European Communities of 27 July 2001, no. 2001/58/EC.

The Directive of the Minister of Labour and Social Policy of 29 November 2002 on maximal permissible concentrations of harmful agents in a workplace (Dz. U. No. 217 item 1833 as amended).

The Directive of the Minister of Health of 20 April 2005 on researching and measuring health-threatening agents in a workplace (Dz. U. z 2005 r. No. 73, item 645).

The Directive of the Minister of Health of 21 December 2005 on essential requirements for individual protection measures (Dz. U. z 2005 r. No. 259, item 2173).

Act of 11 January 2001 on chemical substances and preparations (Dz. U. No. 11 item 84 as amended).

The Directive of the Minister of Health of 5 March 2009 on labelling containers with hazardous substances, preparations and some chemical preparations (Dz. U. No. 53 item 439).

The Directive of the Minister of Health of 2 September 2003 on criteria and means of classification of chemical substances and preparations (Dz. U. No. 171, item 1666 as amended).

The Directive of the Minister of Health of 14 October 2005 on hazardous substances index with the classification and labelling thereof (Dz. U. No. 201 item 1674 as amended).

The Directive of the Minister of Health of 30 April 2004 on hazardous substances and preparations in containers which prevent access by children (Dz. U. 128 item 1348).

Act of 27 April 2001 on waste treatment (Dz. U. No. 62, item 628 as amended).

The Directive of the Minister of Environment of 27 September 2001 on catalogue of waste materials (Dz. U. No. 112, item 1206).

Act of 11 May 2001 on containers and packaging waste (Dz. U. z 2001 r. No. 63, item 638 as amended).

European agreement on international transport of dangerous goods by road ADR (in force since 1.01.2005) (Dz. U. z 2005 r. No. 178, item 1481)

Act of 28 October 2002 on transport of dangerous goods by road (Dz. U. No. 199, item 1671 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

16. Other information

The above information has been compiled according to most recent state of knowledge and experience. It does not, however, guarantee the product's qualities nor provides quality description and shall not be used to support complaints. This product shall be transported, stored and applied in accordance with relevant regulations, good practice and industrial safety rules. The manufacturer shall not be held responsible for any losses directly or indirectly resulting from the above interpretation of regulations or instructions.

The above presented information does not apply to any mixtures of this product with other substances. Neither the use of this information, nor the application of the product are controlled by the manufacturer. It is, therefore, the user's obligation to ensure proper conditions for safe handling of the product.

Date of sheet preparation: 09.01.2004

Date of sheet amendment: 24.04.2009

Amendments made to: points 15.

Sources:

<http://www.chemikalia.gov.pl>, <http://ecb.jrc.it/existing-chemicals>,
Safety data sheets for this product's ingredients.

List of warning signs and the R phrases from point 3:

Xi - Irritating.

R 36/37/38 - Irritating to eyes, respiratory system and skin