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## MATERIAL SAFETY DATA SHEET

### 1. Identification of the preparation and company.

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**Identification of the preparation:** „Ansertherm Cleaner Granulated Product”

**Use of the preparation:** cleaning sticking machines for fusible adhesives and plastics.

**Company identification:**

Zakłady Chemiczne „ANSER” Sp. z o.o.

Seated in:

ul. J. Conrada 7, 01-922 Warszawa

tel.: (022) 663 70 73, faks: (022) 669 01 22

Production plant:

ul. Chemików 1, 96-315 Wiskitki

Technological department:

ul. Chemików 1, 96-315 Wiskitki

tel.: (046) 856 73 40 through 49 ext. 208, fax: (046) 856 73 50

Emergency telephone:

(046) 856 73 40 through 49 ext. 219 or 998 (Fire Brigade)

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

Date of sheet preparation: 09.11.2009

### 2. Hazards identification

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The product is not classified as hazardous according to the provisions of relevant regulations.

#### Physicochemical effects

Unknown.

#### Human health effects

Unknown.

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.

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The product contains no substances classified as hazardous in concentration that require being taken into consideration in material safety data sheet in compliance with the law.

### 4. First aid measures

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#### 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**

Remove contaminated clothes. Rinse affected skin with considerable amount of warm water. Avoid contact with hot product.

**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**

Product is neutral.

**5. Fire-fighting measures**

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**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**

Suitable extinguishing media: dry chemicals, CO<sub>2</sub>, foam, water foam.

Unsuitable extinguishing media: appropriate to burning materials.

**Minor fire:** extinguish appropriately to burning materials.

**Major fire:** extinguish appropriately to burning materials.

**Special hazards**

Product can exude carbon monoxide, monomers, hazardous gases and fumes in environment of fire.

**Special protective equipment**

Protective clothing and an apparatus protecting respiratory tract.

**6. Accidental release measures**

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**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. In case of major accidents call emergency services, fire brigade and the police.

**Personal precautions**

Avoid contact with hot product. Remove possible ignition sources. 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**

Collect product 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**

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**Handling the substance:** when applying the product follow the essential industrial safety regulations: do not eat, do not drink, avoid contact with hot product. Wash hands during pauses and after work. Do

not use clothing fouled with the product. Follow personal hygiene rules. Work in properly ventilated rooms.

If necessary, the personal protective equipment is to be used (according to point 8 description).

**Storage:** store in original, properly labelled, sealed containers in cool places.

## 8. Exposure control and personal protection

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### General remarks

It is advisable to provide efficient ventilation (general and local) of the workplace.

### Occupational exposure limit values

Data for polymer:

Inhaled dust 5 mg/m<sup>3</sup>

Total content of dust 10 mg/m<sup>3</sup>

### Biological limit values

No data.

### Occupational exposure controls

Respiratory protection: ventilation.

Hand protection: protective gloves in case of work with hot product.

Eye protection: safety goggles.

Skin protection: protective clothing in case of work with hot product.

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

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### General information

- Physical state: granulated product
- Colour: white to straw-yellow
- Odour: odourless

### Important health, safety and environmental information

- pH does not concern
- Density: 0,9 g/cm<sup>3</sup>
- Boiling point: no data
- Ignition temperature: no data
- Auto-ignition temperature: -
- Explosive properties: -
- Oxidizing properties: no data
- Vapour pressure no data
- Relative density no data
- Solubility / miscibility
  - in water: does not solve
  - in organic solvents solves

- Partition coefficient: n-octanol/water no data

**Other information**

- Melting point: 190 ± 5 °C
- Decomposition temperature: no data

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**10. Stability and reactivity**

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**Stability**

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

**Conditions and materials to avoid**

Strong oxidizers. High temperature ( thermal decomposition starts at 280 °C).

**Hazardous decomposition products**

Do not form under normal conditions.

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**11. Toxicological information.**

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**Adverse health effects**

The product has not been classified as hazardous under relevant regulations.

**Exposure effects in humans**

There are no known, negative consequences for human health of exposure to product, being used according to its purpose and with respect to manufacturer's guidelines.

**Acute toxicity**

There are not available data concerning product and its ingredients.

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

**Specific effects on human health:** no data.

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**12. Ecological information**

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**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

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**13. Disposal considerations**

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Recover waste, if possible.

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

Recommended neutralization method: consult local environmental protection service..

**Waste code:** 07 06 99 Wastes not otherwise specified

**Disposal of the packaging:** Recycle or neutralize waste packages in accordance with regulations in force. Reuse returnable packaging after decontamination.

**Waste code:** 15 01 02 Plasticpackaging

#### 14. Transport information

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

#### 15. Regulatory information

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##### Markings on labels

Identification: „Ansertherm Cleaner Granulated Product “

Warning signs: do not concern.

**Risk phrases (R):** do not concern.

**Proper handling safety phrases (S):** do not concern.

##### 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 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 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 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

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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: 09.11.2009

### Sources:

<http://www.chemikalia.gov.pl>, <http://ecb.jrc.it/existing-chemicals>,

Safety data sheets for this product's ingredients.