SAFETY DATA SHEET

According to the Committee's Regulation (EU) 2015/830

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

1.1. Product identifier:

Trade name **Ansercoll Lak**

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

Relevant identified uses structural adhesive for varnished elements made from different kinds of wood.

Uses advised against **-**

1.3. Details of the supplier of the safety data sheet

Zakłady Chemiczne „ANSER" Sp. z o.o.
ul. Dźwigowa 3/34, 02-437 Warszawa
ph.: +48 22 663 70 73, fax: +48 22 669 01 22

E-mail address of the person responsible for the safety data sheet: reach@anser.pl

1.4. Emergency telephone number:

112 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture is not classified as hazardous according to the Regulation of the European Council 1272/2008.

Harmful effects for human health

Unknown.

Harmful effects for the environment

Unknown.

Harmful effects related to physical-and-chemical properties

Unknown.

2.2. Elements of labelling

The product does require labelling.

2.3. Other hazards

Substances contained in the mixture do not meet PBT and vPvB criteria in line with schedule 13th of the Regulation REACH.

SECTION 3: Composition/information on ingredients

Trade name	Content % mass	Substance identification numbers	Classification acc. to Directive (EC) 1272/2008
Cyclohexanone	<5	CAS: 108-94-1 EC: 203-631-1 Index no.: 606-010-00-7	Flam. Liq. 3; H226 Acute Tox. 4; H332

The full wording of expressions describing hazard is provided in sec.16.

Applicable registration numbers: unavailable

SECTION 4: First aid measures.

4.1. Description of first aid measures

In case of exposure via respiratory tract

- Leave exposure area (or take the injured out of the exposure area).
- Assure peace and quite to the injured as well as access to fresh air, arrange the conscious person in a seated position, the unconscious – in the lateral stabilised position.
- Assure medical assistance if any symptoms occur.

In case of exposure through contact with the skin

- Take off soiled clothing.
- Wash off with plenty of water and soap.
- Consult the doctor in case of skin irritation.

In case of exposure through contact with the eyes

- Remove contact lenses.
- Wash with plenty of cool water for about 15 minutes with the lids open (avoid strong water stream due to the risk of damaging the cornea mechanically)
- In case of any adverse symptoms consultation with an oculist is necessary.

In case of exposure via alimentary tract

- Do not provoke vomiting.
- Assure immediate medical assistance.

4.2. The most important acute and delayed symptoms and effects of exposure

Unknown.

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

Decision as to the rescue procedure shall be taken by the doctor after careful examination of the condition of the injured.

SECTION 5: Fire-fighting measures.

Proceed in line with the Fire Safety Instruction, if the recipient does not have one, the surrounding persons shall be notified about the failure. All persons not participating in repairing the failure shall be

removed from the area at risk. Evacuation shall be ordered if needed. Small fires shall be put out with extinguishers on hand, in case of big fires, State Fire Service and the Police shall be notified.

5.1. Extinguishing media

Appropriate extinguishing media: extinguishing powders and foams, carbon dioxide, water sprays.
Inappropriate extinguishing media: compact water jets – the risk of spreading the fire.

5.2. Special risks related to the mixture

The products of incomplete combustion of cyclohexanol contain carbon monoxides. Carbon monoxide is a toxic gas.

5.3. Information for the fire services

The product is non-flammable. The use of protective clothing with an independent breathing apparatus is recommended.

SECTION 6: Proceeding in the event of accidental release to the environment

6.1. Personal precautions, protective equipment and emergency procedures

For persons not belonging to the personnel giving assistance

Limit access of outsiders to the emergency area until appropriate cleaning procedures have been completed. Do not inhale vapours. Avoid contact with skin and eyes. Use personal protection means.

For persons giving assistance

Do not inhale vapours. Avoid contact with skin and eyes. Ensure intensified ventilation of the room where unintended release took place. Use personal protection means if necessary.

6.2. Precautions related to environment protection

Do not let the product get to the sewage system, ground and surface waters.

6.3. Methods and materials preventing the spread of contamination and aimed at removing contamination

- Protect drains.
- If possible, remove leakage (seal, damaged packaging shall be placed in a sealed protective container). In the event of a major leakage, the spot where liquid gathers shall be protected with an embankment, collected liquid shall be pumped out. Small volumes of spilled liquid shall be covered with a layer of non-flammable absorbing material (sand, soil, vermiculite). Contaminated material shall be collected to a closed container and sent for recycling or neutralization to competent units. Contaminated area shall washed with plenty of water.

6.4. References to other sections

Personal protection means – section 8.
Waste shall be removed in line with the binding law provisions – section 13.

SECTION 7: Mixture handling and storage

7.1. Precautions for safe handling

During usage observe basic principles of hygiene of work with chemical products: do not eat or drink, avoid contact with the product, avoid contaminating eyes and skin. Avoid inhaling vapours. Wash hands during breaks at work. Do not use clothing contaminated with the product. Observe personal hygiene principles. Assure effective ventilation in order to prevent exceeding allowed concentration values for hazardous agents (see section 8).

7.2. Conditions of safe storage including information on any mutual nonconformities

Store in original appropriately marked and tightly closed packaging in dry ventilated places no longer than 12 months after production date in temperature between +6 and +24^{0}C.

Additional information in Section 10.

7.3. Specific end uses

None.

SECTION 8: Exposure controls/personal protection means

8.1. Control parameters

Allowed concentration in working environment: no data for the product.

Below values are given for the product ingredients.

Substance	***NDS [mg/m^3]***	***NDSCh [mg/m^3]***	***NDSP [mg/m^3]***
cyclohexanone	40	80	-

(Regulation of the Labour and Social Policy Minister of November 29th 2002 on the highest allowed concentrations and intensities of agents hazardous for the health in work environment, Journal of Laws 2002 No 217 item 1833 as amended).

Regulation of the Health Minister of February 2011 on examining and measuring health hazardous agents in work environment (Journal of Laws 2011 No 33 item 166).

8.2. Exposure control

Applied technical protection measures

Information provided in section 7.

Personal protection measures:

Eyes or face protection: protective glasses.

- hand protection: gloves (made of butyl)
- other: appropriate protective clothing.

Respiratory protection: in case of a exposure risk use masks with organic vapours absorber (type A).

Thermal risks: does not apply.

Environment exposure protection

Mixture shall not access ground waters, sewage or soil.

SECTION 9. Physical and chemical properties.

9.1. Information about general physical and chemical properties

- Form — white liquid
- Odour — characteristic
- Odour threshold — no data
- pH — 4 ± 1
- Melting/solidification point — no data
- Boiling temperature — 100^0C
- Flash point — the product is non-flammable
- Evaporation rate — no data
- Flammability (of solid substance. gas) — no data
- Lower explosive/combustion limit — no data
- Upper explosive/combustion limit — no data
- Vapour pressure — no data
- Vapour density — no data
- Relative density — 1.6 g/cm^3
- Solubility in water — dissolves in water
- Self-ignition temperature — the product does not ignite on its own
- Decomposition temperature — no data
- Viscosity — 12,000 ± 2,000 mPa*s
- Explosive properties — no data
- Oxidizing properties — no data

9.2. Other information

No data.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is not reactive under normal conditions.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

Unknown.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Unknown.

SECTION 11: Toxicological information.

11.1. Information on toxicological effects

Acute toxicity: no data for the product.

Below data are provided for its ingredients:

Cyclohexanone

LD50 (oral feed) 1620 mg/kg

Irritating effect: based on the data available, classification criteria are not met.

Caustic effect: based on the data available, classification criteria are not met.

Allergenic effect: based on the data available, classification criteria are not met.

Repeated dose toxicity: based on the data available, classification criteria are not met.

Carcinogenicity: based on the data available, classification criteria are not met.

Mutagenicity: based on the data available, classification criteria are not met.

Toxicity to reproduction: based on the data available, classification criteria are not met.

Information on likely routes of affecting

Swallowing: unknown.

Inhaling: unknown.

Skin exposure: unknown.

Eye exposure: unknown.

Symptoms related to physical, chemical and toxicological properties: no data.

Delayed, immediate and prolonged effects of short- and long-term exposure: no data

Consequences of mutual interaction: no data.

Other information: no data.

SECTION 12: Ecological information.

12.1. Toxicity: no data for the product. Below data are provided for its ingredients:

Cyclohexanone

Toxicity for fish LC50 536 mg/l

Toxicity for algae EC0 370 mg/l

Toxicity for daphnia EC50 820 mg/l

12.2. Persistence and degradability

No data for the product and its ingredients.

12.3. Bio-accumulative potential

No data for the product.

12.4. Mobility in soil

No data for the product.

12.5. Results of PBT and vPvB assessment

Does not apply.

12.6. Other adverse effects

Unknown.

SECTION 13: Disposal considerations.

13.1. Waste treatment methods

If possible, waste shall be recovered.

Do not allow the contamination of surface and ground waters. In line with the law regulation in force in Poland, waste may be collected, neutralized, recovered or recycled only by authorised companies, and it may be given only to such companies. In case of doubt, waste disposal procedures shall be discussed and agreed with the local Environment Protection Inspection unit.

Removal of mixture: Consider the possibility of putting to use.

Waste code: 08 04 09 – Waste adhesives and joints containing organic solvents or other hazardous substances.

Disposal of packaging: recycling or neutralization of packaging waste shall be done in line with the binding law regulations. Clean packaging may be disposed of as ordinary packaging waste.

Waste code: 15 01 10* – Packaging containing leftovers of hazardous substances or contaminated with hazardous substances.

15 01 02 – Plastic packaging.

The following law regulations shall be observed:

The Act of 27 April 2001 on waste (Journal of Laws of 2001 no 62 item 628 as amended).

The Environment Minister Regulation of 27 September 2001 on waste catalogue (Journal of Laws of 2001 no 112, item 1206).

The Act of 11 May 2001 on packaging and Packaging waste (Journal of Laws of 2001 no 63, item 638 as amended).

SECTION 14: Transport information.

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

SECTION 15: Regulatory information.

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

The Regulation of the Minister of Health of 21 December 2005 on essential requirements for individual protection measures (Journal of Laws of 2005 No. 259, item 2173).
The Act of 25 February 2011 on chemical substances and their mixtures (Journal of Laws of 2011 no. 63 item 322).
The Regulation of the Minister of Health of 20 April 2012 on labelling containers with hazardous substances, preparations and some chemical preparations (Journal of Laws of 2012 No. 0 item 445).
Directive 1999/45/EC of the European Parliament and Council of 31 May 1999 on harmonising the regulatory, executive and administrative provisions of Member States relating to the classification, labelling and packaging of hazardous substances and mixtures.
Regulation (EC) No 1907/2006 of the European Parliament and Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Regulation of the European Parliament and Council (EC) no. 1272/2008 of 16 December 2008 on the classification, labelling and packaging of hazardous substances and mixtures amending and repealing directives 67/548/EEC and 1999/45/EC and amending the directive (EC) no. 1907/2006 (Official Journal EU series L 353 of 31 December 2008 as amended).
Directive of the Committee (EC) no. 790/2009 of 10 August 2009 adjusting the Directive of the European Parliament and Council (EC) no. 1272/2008 of 16 December 2008 on the classification, labelling and packaging of substances and mixtures, to the technical-and-scientific progress.
Regulation of the Committee (EC) no. 453/2010 of 20 May 2010 amending the regulation No. 1906/2006 of the European Parliament and Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
European agreement on international transport of dangerous goods by road ADR (in force since January 1, 2005) (Journal of Laws of 2005, No. 178, item 1481).
The Act of 19 August 2011 on the transport of dangerous goods by road (Journal of Laws of 2011 no. 227, item 1367 as amended).
The Regulation of the Minister of Health of June 11, 2012 on the categories of hazardous substances and mixtures, whose packaging shall be equipped with locks preventing children from opening it and warning information sensed by touch (Journal of Laws of 2005 No. 0, item 688).
Regulation of European Chemicals Agency of 10 September 2015 concerning substances of very high concern (SVHC)
Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2. Chemical safety assessment

The producer of the mixture did not provide the evaluation of chemical safety.

SECTION 16: Other information.

Update

Section 15.

The explanation of abbreviations and acronyms used in the safety data sheet

PBT – Persistent, Bio-accumulative, Toxic.

vPvB – very Persistent and very Bio-accumulative.

Flam. Liq. 3 – Liquid highly flammable substance of the category 3

H226 – Easily flammable liquid and vapours.

Acute Tox. 4 – Acute toxicity of category 4

H332 – Harmful if inhaled.

R10 – Product highly flammable.

Xn – Harmful product

R20 – Harmful via respiratory tract.

NDS – Highest allowed concentration.

NDSCh – Highest allowed momentary concentration.

NDSP – Highest allowed cap concentration.

LD50 - Lethal Dose 50% when you observe the death of 50% of the animals tested.

LC50 - Lethal Concentration 50% when you observe the death of 50% of the animals tested.

EC0 – Concentration at which no slow down of growth or growth tempo is oserved.

EC50 - Half maximal effective concentration when you observe 50% slow down of growth or growth tempo.

References to key literature and sources

Safety data sheet of the mixture's ingredients. Data base of the European Commission Joint Research Centre.

Legal regulations.

Recommendations with regard to employee trainings

Prior to commencement of work, the employee shall be trained from within the scope of Work Safety and Hygiene regarding the handling of chemicals and appropriate on the job training.