

LANITZ-PRENA FOLIEN FACTORY GmbH

issuing date: 18 August 2009

last updated on: 18 August 2009

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product: **ORACOVER®** FOAM ADHESIVE for Styrofoam® / Depron®

1. Identification of the substance and supplier

Product's name:

Name: **ORACOVER®** FOAM ADHESIVE for Styrofoam® / Depron®
Art.-no.:0981

Supplier:

LANITZ-PRENA FOLIEN FACTORY GmbH
Am Ritterschlösschen 20
04179 Leipzig
Phone: +49-341 / 44 23 05-0
Fax: +49-341 / 44 23 05-99
E-mail: Info@oracover.de

Responsible department: laboratory phone: +49-341/44230534
Emergency phone: poisoning emergency number Berlin/Germany phone: +49-30/30686790
(consultation in English and German)

2. Composition / Information on ingredients

Chemical characteristics: polyurethane dispersion
State of aggregation: liquid
Colour: milky white
Odour: faint smell of acetone

Dangerous ingredients:

	CAS-No.:	EC-No.:	Danger	Classification:	Concentration:
Acetone	67-64-1	200-662-2	F; Xi	R11,R36,R66,R67	<1 %
5-Chloro-2-methyl-3 (2H)- -isothiazol and 2-methyl-3 (2H)- isothiazol (3:1)	55965-84-9	247-500-7 220-239-6	T,C,N	R23/24/25,R34,R43,R50/53	<0.0015 %
Stearyl alcohol poly glycol ethers	68439-49-6		Xn;Xi;N	R22,R36,R51/53	<0.4 %

3. Hazards identification

No dangerous product for the purposes of the Ordinance of Hazardous Substances and the EC directives 67/548/EWG or 1999/45/EG, respectively.

4. First Aid Measures

General advices:

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After inhalation:

-

After contact with Skin:

Remove immediately contaminated clothes. Clean wetted skin thoroughly with soap and water. When irritation persists, seek medical advice.

After contact with Eyes:

Keep eyelids open and rinse with plenty of clean and running water for at least 10 minutes. If necessary apply antibacterial protective dressing. Seek medical advice!

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After Ingestion:

Rinse mouth with water, do not induce vomiting, do not drink anything. Keep affected person steady. Seek immediately medical advice.

5. Fire fighting measures

General advices:

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Extinguishing media:

Foam (alcohol resistant), CO₂, powder, atomised spray (water)

For safety reasons not adequate for extinguishing:

-

Special exposure hazards:

In case of fire toxic smoke gas may emerge.

Protective equipment:

Wear self contained breathing apparatus, if necessary full protection suit.

6. Accidental release measures

Personal protection:

Avoid contact with skin and eyes.

Environmental precautions:

Keep away from drains and surface water. Do not let it get into the underground or soil.

Methods of clean-up:

Collect released material with non-inflammable, absorbent material (e.g. sand, vermiculite, universal absorbent) and dispose contaminated material according to local regulations.

7. Handling and Storage

Handling:

Handling precautions:

Observe general safety advices when handling with chemicals. Avoid contact with skin and eyes.

Keep container well closed

Fire and explosion prevention:

n.a.

Storage:

Requirements for storerooms:

Close open containers carefully and store them upright to avoid leakage.

Instructions on storage alongside other materials:

-

Further information on storage:

Keep only in well closed containers. Store in a dry, well ventilated place. Do not expose to heat or direct solar radiation.

Respect storage regulations on storage of flammable materials.

Additionally, storage conditions in compliance with regulations according to the Water Management Act and the federal state regulations concerning the storage of water hazardous substances (VawS) must be observed.

8. Exposure control/personal protection

Additional advices for designing technical devices:

Assure good ventilation. Assure, if necessary, observation of maximum allowable concentration by technical measures (aspiration).

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Ingredients with workplace-related limit values to observe:

(MAC – maximum allowable concentration according to TRGS 900)

CAS-No.	Denotation of the substance	MAC	Max. exposure limit
67-64-1	Acetone	1200 mg/m ³ , 500ppm	2(ÜF)

Personal protection equipment

Respiratory protection:

Avoid inhalation of vapours, atomised sprays and aerosols.

Hand protection:

Wear suitable protective gloves (observe specifications given by manufacturer). The gloves should be tested in any case for workplace-specific suitability (e. g. mechanical and thermal resistance, compatibility, antistatic). Worn out or damaged gloves must not be used.

When wearing protective gloves, it is advisable to wear under-gloves of cotton.

Eye protection:

As protection against spots of solvents, wear properly closed safety glasses with side protection.

Skin protection:

Wear suitable protective clothing (impermeable).

General advices:

Do not eat, drink or smoke at the workplace. Keep away from foods, drinks and animal feed.

9. Physical and chemical properties

State of aggregation:	liquid
Colour:	milky white
Odour:	faint smell of acetone

	Value / Field	Unit	Method
Flash point:	n.a.		
Boiling range:	ca. 100	°C	
Density at 20°C:	1.07	g / cm ³	DIN 51757
Vapour pressure at 50°C:	130	hPa	
Viscosity:	<900	mPas	DIN 53018
ph-Value:	7.5		DIN 53785
Solubility in water:	mixable		
Soluble in:	nitrate, N-dimethyl formamide, acetone		

The indicated data correspond in any case to the product specification. The specification data are to be extracted from the technical data sheet.

10. Stability and reactivity

This information is based on the data that is available on this product, its ingredients and similar materials.

Conditions to avoid:

With permanently high temperatures decomposition of the dry substance takes place. When all recommended instructions on storage and handling are observed, no dangerous reactions are known.

Materials to avoid:

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Dangerous decomposition products:

In case of thermal decomposition flammable and toxic products can emerge.

When properly used and stored - **none!**

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11. Toxicological information

This information is based on the data that is available on this product, its ingredients and similar materials.

Acute toxicity (LD 50) oral:	2000 mg/kg (rat)
Acute toxicity (LD 50) dermal:	no information
Acute toxicity (LC 50) inhalation:	no information
Contact with skin:	not irritating (rabbit), not sensitising
Contact with eyes:	not irritating (rabbit), not sensitising

12. Ecological information

This information is based on the data that is available on this product, its ingredients and similar materials.

Biodegradability:	< 60 % not easily degradable
Toxicity for fish:	LC50 > 100 mg/l 96h (Brachydanio rerio)
Toxicity for daphnia:	EC50 > 100 mg/l (Daphnia magna – big water flea)
Toxicity for algae:	no information
Toxicity for bacteria:	EC50 > 10000 mg/l

Additional ecological advices:

Keep away from drains, surface water, ground water and soil.

13. Disposal considerations

Do not dispose with household garbage. Avoid penetration into the sewerage system.

Product, absorbing material and packaging have to be disposed according to the local regulations.

Empty containers completely and dispose according to local regulations.

Observe European garbage catalogue: the producer of the garbage is responsible for the correct codification and denotation of the litter.

14. transport information

No hazardous goods to be conveyed. Heat sensitive starting from +50 °C. Sensitive to cold starting from +5 °C.

Road transport ADR, RID and GGVSE

No hazardous material

Sea transport IMDG, GGVSee

No hazardous material

Air transport ICAO/IATA

No hazardous material

15. Regulatory information

Designation according to EC-directives

No hazardous material – no designation necessary

R - phrases

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S - phrases

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National regulations:

Water hazard class: 1 slightly hazardous to water (according to VwVwS)

16. Other information

The information contained in this data sheet correspond to our current state of knowledge. They solely describe the safety requirements when handling our products and do not represent an assurance of the product properties.

The user is responsible for observing all necessary legal regulations.

The information contained in this data sheet cannot be applied to other products.

As soon as the product mentioned in this safety data sheet is treated with any other materials or worked on, the information in this safety data sheet cannot be applied to the newly emerged material.

Wording of all R-phrases, referred to in section 2:

R 11	Highly flammable
R 22	Very toxic: danger of very serious irreversible effects through inhalation, in contact with skin and when swallowed. May cause cancer.
R 23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R 34	Causes burns
R 36	Irritating to eyes
R 43	May cause sensitisation by skin contact
R 50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R 66	Repeated exposure may cause skin dryness or cracking.
R 67	Vapours may cause drowsiness and dizziness

Abbreviations and und Acronyms:

n.a.: not applicable

ADR: Accord europeen relatif au transport international des marchandises Dangereuses par Route
= European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Reglement concernant le transport international ferroviaire de marchandises Dangereuses
= Regulations Concerning the International Transport of Dangerous Goods by Rail

GGVSE: Gefahrgutverordnung Straße / Eisenbahn
= Regulation on Carriage of dangerous Goods by Road and Rail

IMDG: International Maritime Dangerous Goods Code

GGVSee: Gefahrgutverordnung See
= Regulation on Carriage of dangerous Goods by Sea

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

PAX: Passenger Aircraft

CAO: Cargo Aircraft Only

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
= Administrative provision for water-hazardous substances