

OSAKRYL[®]

grade: AP 40

Safety Data Sheet

According to Regulation (EC) 1907/2006 (REACH)
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Previous editions and revisions of this document have lost their validity

SECTION 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product identifier

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1.2. Relevant identified uses of the mixture and uses advised against

Identified uses

Production of coatings

Uses of coatings by industrial and professional users.

Uses advised against

None.

1.3. Details of the supplier of the safety data sheet

Synthos Dwory 7 spółka z ograniczoną odpowiedzialnością spółka jawna

ul. Chemików 1

32-600 Oświęcim

Poland

Tel. + 48 33 844 18 21 ÷ 25

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e-mail: reachSD@synthosgroup.com

1.4. Emergency telephone number

+ 48 33 847 22 23 (the number is available 24/7)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the mixture

2.1.1. Classification of the mixture in accordance with Regulation (EC) No 1272/2008

This product is not classified as dangerous.

2.2. Label elements

In accordance with EU and national laws labelling of the product is not required.

2.3. Other hazards

The product contains no substances that meet the criteria for PBT or vPvB in accordance with Annex XIII.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable

3.2 Mixtures

This product is a mixture.

The product contains no dangerous components which listing in this section is required in accordance with the Annex II to REACH Regulation.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

4.1.1. Inhalation

In normal conditions of use and storage the product creates no danger via inhalation exposure. In case person exposed to product feels unwell it should be removed from the place of exposure to fresh air. Provide calm. In case symptoms persist consult a physician.

4.1.2. Skin contact

Remove all contaminated clothing and shoes. Wash contaminated skin with plenty of water and soap. Consult a physician in case of skin irritation.

4.1.3. Eye contact

Thoroughly rinse eyes with plenty of water for at least 15 minutes while lifting the eyelids. Check for and remove (if any and if possible) contact lenses (unless they adhered to eyes). Consult a physician in case an irritation has developed.

4.1.4. Ingestion/swallow

Consult a physician

4.2. Most important symptoms and effects, both acute and delayed

Upon direct contact with the product susceptible persons may suffer from skin/eye irritations.

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

None.

SECTION 5. FIRE FIGHTING MEASURES

The product is a non-combustible material.

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Avoid contact with the product. Follow advice and instructions of emergency responders.

6.1.2. For emergency responders

Avoid contact with the product. Wear work clothing and personal protective equipment.

6.2. Environmental precautions

Cover drains, grates and manholes in order to prevent the product from entering the sewage or effluent systems.

6.3. Methods and material for containment and cleaning up**6.3.1. Methods and material for containment**

If possible attempt to stop the leak and shut off the inflow. Embank the releasing liquid in case of large leaks.

6.3.2. Methods and material for cleaning up

Small amounts of the product cover with sand or other absorbing material, collect to a labelled container and dispose of in accordance with regulations in force. Large amounts of released liquid pump over to a labelled container and use or dispose of in accordance with regulations in force.

6.4. Reference to other sections

Not applicable.

SECTION 7. HANDLING AND STORAGE**7.1. Precautions for safe handling**

Observe basic regulations on occupational health, safety and hygiene as well as operating instructions at the workplace.

Do not eat and drink when handling the product.

Wear proper working clothing. If necessary, use personal protection equipment.

Avoid direct contact with the product.

Avoid contact with eyes.

Ensure proper ventilation of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Store in original tightly sealed containers at temperature 5 ÷ 35°C in well ventilated rooms – outside this temperature range the dispersion may coagulate.

For conditions to avoid and incompatible materials see Section 10 of this Safety Data Sheet.

7.3. Specific end use(s)

Not applicable.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

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8.1.1. Occupational exposure limits

None have been established.

8.1.2. DN(M)EL levels

8.1.2.1. DN(M)EL levels – workers

Data not available.

8.1.2.2. DN(M)EL levels – general population

Data not available.

8.1.3. PNEC levels

Data not available.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide ventilation of the workplace.

8.2.2. Individual protection measures, such as personal protective equipment

8.2.2.1. Eye/face protection

If exposure of employees to sprayed or splashed particles of the product cannot be avoided use safety glasses or a face shield.

8.2.2.2. Skin protection

Hand protection

Not required.

Other

Wear work clothing and shoes.

8.2.2.3. Respiratory protection

In case of insufficient ventilation wear mask with organic vapours filter.

8.2.2.4. Thermal hazards

The product creates no thermal hazards.

8.2.3. Environmental exposure controls

Avoid release to the environment. Do not discharge into drains.

Emissions from vents and processing equipment have to be controlled in order to determine whether they are in compliance with in force regulations on environmental protection. Basing on results of such controls the need for implementation of relevant environmental risk management measures can be determined.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a) Appearance	liquid (water based dispersion) of white colour
b) Odour	characteristic
c) Odour threshold	data not available
d) pH	5,0 – 6,0
e) Melting point/freezing point	data not available
f) Initial boiling point and boiling range	ca. 100°C
g) Flash point	not applicable
h) Evaporation rate	not applicable
i) Flammability (solid, gas)	not applicable
j) Upper/lower flammability or explosive limits	not applicable
k) Vapour pressure	not applicable
l) Vapour density	not applicable
m) Relative density	ca. 1 g/cm ³
n) Solubility	water-thinnable
o) Partition coefficient: n-octanol/water	not applicable
p) Auto-ignition temperature	not applicable
q) Decomposition temperature	data not available
r) Viscosity	50 – 300 mPas (Brookfield)
s) Explosive properties	not applicable
t) Oxidising properties	not applicable

9.2. Other information

u) Heat of combustion	not applicable
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v) Polymerization heat

not applicable

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

See Section 10.3 of this Safety Data Sheet.

10.2. Chemical stability

The product is stable under given herein conditions of use and storage. Use of stabilizers and/or antioxidants is not required.

10.3. Possibility of hazardous reactions

None. Also see Section 10.5 of this Safety Data Sheet.

10.4. Conditions to avoid

At temperatures below 5°C irreversible coagulation of the product occurs. At ca. 100°C water contained in the product evaporates at noticeable rate.

10.5. Incompatible materials

Avoid materials which exhibit hazardous reactions upon contact with water.

10.6. Hazardous decomposition products

Thermal decomposition of contained in the product polymer starts at ca. 200°C and is accompanied by formation and subsequent release of aromatic hydrocarbons.

SECTION 11. TOXICOLOGICAL INFORMATION

No data on toxicological properties of the product as such is available. Hazards which the product creates to the human health and life have been assessed in accordance with rules applicable for mixtures (see also Section 2 of this Safety Data Sheet).

11.1. Information on toxicological effects

11.1.1. Acute toxicity

Based on available data, the classification criteria are not met.

11.1.2. Skin corrosion/irritation

Based on available data, the classification criteria are not met.

11.1.3. Serious eye damage/irritation

Based on available data, the classification criteria are not met.

11.1.4. Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

11.1.5. Germ cell mutagenicity

Based on available data, the classification criteria are not met.

11.1.6. Carcinogenicity

Based on available data, the classification criteria are not met.

11.1.7. Reproductive toxicity

Based on available data, the classification criteria are not met.

11.1.8. STOT-single exposure

Based on available data, the classification criteria are not met.

11.1.9. STOT-repeated exposure

Based on available data, the classification criteria are not met.

11.1.10. Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on likely routes of exposure

Dermal, inhalation.

11.3. Symptoms related to the physical, chemical and toxicological characteristics

This product is not classified as dangerous.

11.4. Delayed and immediate effects as well as chronic effects from short and long-term exposure

This product is not classified as dangerous. Upon direct contact with the product susceptible persons may suffer from skin/eye irritations.

SECTION 12. ECOLOGICAL INFORMATION

No data on ecotoxicological properties of the product as such is available. Hazards which the product creates to the environment have been assessed in accordance with rules applicable for mixtures (see also Section 2 of this Safety Data Sheet).

12.1. Toxicity

The product is not classified as dangerous to the environment.

12.2. Persistence and degradability

The main component of the product (polymer) does not undergo biodegradation, oxidation or hydrolysis at noticeable rate.

12.3. Bioaccumulative potential

Based on chemical structure it is expected that the main component of the product (polymer) will not undergo bioaccumulation.

12.4. Mobility in soil

Data not available

12.5. Results of PBT and vPvB assessment

The product contains no substances which have been identified as PBT/vPvB.

12.6. Other adverse effects

Data not available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Primary, product wastes should be recovered. Wastes, which could not be recovered should be biologically, chemically or physically transformed or stored on landfill.

Landfilling should be performed only for those wastes, destruction of which is technically impossible or ecologically or economically unjustified.

Recovery or destruction of product wastes has to be performed in accordance with regulations in force, in special assigned facility and/or equipment meeting the appropriate requirements.

Waste code: the product itself: 07 02 13 or 07 02 99.

Returnable packaging may be reused after decontamination.

Disposable packaging has to be disposed of according to existing national, international and/or local disposal regulations.

Example waste code: used containers, rigorously scraped out and containing dried residues of the supplied product:

15 01 02 plastic packaging.

15 01 04 metal packaging.

"Rigorously scraped out" means removing the maximum amount of product from the container by physical or mechanical means (draining or scraping) to leave a residue or contamination that cannot be removed by such means.

These codes have been assigned based on the actual composition of the product both as supplied and as dried residues. If mixed with other wastes, the waste codes quoted may not be applicable.

SECTION 14. TRANSPORT INFORMATION

Transport and packaging of the product are not subject to regulations on transport of hazardous goods (ADR, RID, IATA DGR, IMDG).

Transport the product using covered means of transport.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15. REGULATORY INFORMATION

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

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 (including any amendments/adaptations to technical progress).

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (including any amendments/adaptations to technical progress).

DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives (including any amendments/adaptations to technical progress).

Water hazard class: non-hazardous to water

15.2. Chemical safety assessment

The supplier has not carried out chemical safety assessment for the mixture. In accordance with provisions of REACH regulation carrying out of chemical safety assessment for this product is not required.

SECTION 16. OTHER INFORMATION

16.1. Revised sections

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16.2. List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements given under Sections 2 to 15 and (if applicable) full text of any statements which are not written out in full under the aforementioned Sections

vPvB	Very persistent and very bioaccumulative (substance)
PBT	Persistent, bioaccumulative and toxic (substance)
DN(M)EL	Derived No (Minimal) Effect Levels
NOAEL	No Observed Adverse Effect Level
LD50	Lethal Dose 50%, dose required to kill half the members of a tested population after a specified test duration
EC50	Half maximal effective concentration, concentration which induces a response halfway between the baseline and maximum after some specified exposure time
NOEC	No Observed Effect Concentration
RID	The International Rule for Transport of Dangerous Substances by Railway
ADR	The European Agreement concerning the International Carriage of Dangerous Goods by Road

This document is of an informative character. The information given herein is based on the present state of our knowledge and experience. It makes neither product properties nor qualitative parameters guarantee and cannot be used as a basis of any claims. The information provided is not applicable for any mixtures of the product with any other materials. The product has to be transported, stored and used in accordance with regulations in force, good occupational hygiene practice and recommendations given its Safety Data Sheet.