

**DATA SHEET FOR PRODUCT NOT CLASSIFIED AS HAZARDOUS:
POLANVIL PVC-S**

Document compliant with Article 32 of EC Regulation No 1907/2006



Date of issue	Date of revision	Rev.
2012-12-01	2017-06-01	3.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product name	POLANVIL S-58, POLANVIL S-67HBD, POLANVIL S-70, POLANVIL S-X.
Chemical name	Poly(vinyl) chloride, PVC.
Chemical formula	/ C ₂ H ₃ Cl / _n
CAS/EC number	9002-86-2
Index number	N/A
Registration number	N/A

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

Identified uses	Poly(vinyl) chloride is used as a raw material in the plastic processing industry.
Uses advised against	Unknown

1.3 Details of the supplier of the safety data sheet

Manufacturer	ANWIL S.A. ul. Toruńska 222, 87-805 Włocławek – Poland Sales Department: tel: +48 24 202 13 22; +48 24 202 13 26; +48 24 202 13 12; +48 24 202 13 24; +48 24 202 13 23 (7 ⁰⁰ – 15 ⁰⁰) Sales Support manager: tel: +48 24 202 13 15(7 ⁰⁰ – 15 ⁰⁰) polanvil@anwil.pl pvc.log@anwil.pl (contact data to Sales Department) reach@anwil.pl (contact data person responsible for eSDS)
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1.4 Emergency telephone number

Emergencies	Enterprise Dispatcher (24/7 available): tel.: 0048 54 414 27 27 or 0048 24 202 17 17 Poland: tel.: 998 or 112 (Mobile)
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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of substance

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Date of issue	Date of revision	Rev.
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2.1.1 Classification according to Regulation (EC) No. 1272/2008 (CLP)

Hazard class and category	Hazard statement(s)
Not classified	Not classified

2.2 Label elements

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Pictogram(s)	N/A
Signal word	N/A
Hazard statement(s)	N/A
Supplemental Hazard information	N/A
Precautionary statements	Prevention
	N/A
	Response
	N/A
	Storage
	N/A
	Disposal
	N/A
2.3 Other hazards	N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

According to Article 31 of the REACH Regulation Polanvil-S does not fulfil the criteria of a hazardous substance, PBT, vPvB and does not contain any substances that would influence the final classification of the substance.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

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Date of issue	Date of revision	Rev.
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Eye contact	Immediately rinse with running water, holding the eyelids. If irritation persists, seek medical advice.
Skin contact: (contamination or spilling on the skin/clothes)	- powder: rinse the skin with water, - splashing with hot material: <ul style="list-style-type: none">• quickly cool with running water,• remove contaminated clothing,• immediately seek medical attention.
Swallowing	Rinse the mouth with water, give drinking water, seek medical attention.
Inhalation	Remove a victim to fresh air, loosen the clothing. In case of breathing difficulties, use oxygen or artificial respiration. In case of significant exposure, seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Dust may irritate airways and cause symptoms of bronchitis. Vapour from a hot product may irritate the mucosa of the nose and upper respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed

Seek medical advice if poisoning symptoms/irritating symptoms develop and persist.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing agents

large fire: foam or water spray.
small fire: powder or carbon dioxide, then use water to prevent reignition.

5.2 Special hazards arising from the substance

Toxic products may be produced as a result of thermal decomposition, especially hydrogen chloride and carbon oxides (as well as other toxic gases, such as phosgene, nitrogen compounds etc.).

5.3 Advice for firefighters

In case of fire, fire services must use self-contained breathing apparatus and a chemical protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Advise the surroundings of the failure.
Remove anyone not taking part in failure removal from the premises, organise evacuation, if needed, call the National Fire Services (in Poland 998) and the Police (997).

6.1 Personal precautions, protective equipment and emergency procedures

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Use the personal protective equipment described in section 8.
Remove sources of ignition – extinguish open fire, announce a smoking ban.
Avoid direct exposure to the released product.
Avoid generation and inhalation of dust. Provide effective ventilation.

6.2 Environmental precautions

Prevent release into the ground, sanitary sewage system and open water reservoirs.

6.3 Methods and material for containment and cleaning up

If the product still has its processing values, it should be collected to clean containers; otherwise collect and transfer to suitable, labelled containers for disposal in accordance with section 13.. Use companies authorised to transport and remove waste, if needed.

6.4 Reference to other sections

Information regarding personal protective measures see section 8.
Information regarding waste disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

General rules of hygiene

Ensure adequate ventilation of the working area. Avoid generation and inhalation of dust. Avoid exposure to the hot product. Do not eat, drink or smoke during work. Wash hands after use. Leave contaminated clothing and protective equipment before entering the lunchroom.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions:

Store in dry places at a temperature of no more than 40°C. Avoid dust. Protect from direct sunlight. Due to the product's form avoid spilling as it may cause slipping.

Incompatible substances:

Unknown.

Seveso (III) classification: not applicable

Indication of threshold quantities above which the Seveso III Directive apply: not applicable

7.3 Specific end use(s)

Unknown.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Chemical name:	CAS no	OEL	TLV-STEL	TLV-CL
PVC dust	---	10 mg/m ³	---	---

8.2 Exposure control

Appropriate technical controls	None required. Use good industrial practices for ventilation. Use eye washes and safety showers.
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Environmental exposure control	According to local and national law.
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Personal protection means, as personal protection equipment

Respiratory protection	Anti-dust mask with appropriate anti-dust filter.
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Hand Protection	Protective neoprene or nitrile rubber gloves.
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Eye Protection	Safety goggles or full face protection.
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Skin and body protection	Protective clothing. Work clothing.
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Hygienic measures	Wash hands and forearms after handling chemical products, before eating smoking and using lavatory and at the end of the work period. Potentially contaminated clothing should be removed using appropriate techniques. Clean contaminated clothing before re-use.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on the basic physical and chemical properties

Appearance:	white powder
Odour:	odourless
Odour threshold:	N/A
pH:	N/A
Melting/Freezing temperature:	not used (softening point approx. 80 ⁰ C)
Initial boiling point	decomposes (decomposition temperature > 100 ⁰ C)
Flashpoint:	not specified
Evaporation rate:	N/A
Flammability:	burns only in flame, oxygen index: 0.45
Upper/lower flammability or upper/lower explosive limit:	may form explosive mixtures, but the probability of their formation is very low (ignition energy E50 > 1200 MJ)
Vapour pressure:	N/A
Relative density:	470-620 kg/m ³
Solubility:	insoluble in water. Soluble in: cyclohexanone, tetrahydrofuran, dichloroethylene, nitrobenzene, dimethylformamide, ketones, dioxan.
Partition coefficient n-octanol-water:	N/A
Self-ignition temperature:	>390 ⁰ C
Decomposition temperature:	>100 ⁰ C
Viscosity:	N/A
Surface tension:	Not measured
Oxidising properties:	N/A

9.2 Other information

No data

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under recommended storage conditions (see Section 7 – Handling and Storage). PVC is chemically neutral, does not react with water, ground or air.

10.2 Chemical stability

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Date of issue	Date of revision	Rev.
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Stable under recommended storage conditions (see Section 7. – Handling and Storage).

10.3 Possibility of hazardous reactions

Unknown.

10.4 Conditions to avoid

Direct contact with open flame (thermal decomposition) may generate toxic decomposition products, especially hydrogen chloride and carbon oxides (or other toxic gases, such as phosgene, nitrogen compounds etc.).

10.5 Incompatible materials

Cyclohexanone, tetrahydrofuran, dichloroethylene, nitrobenzene, dimethylformamide, ketones, dioxan may negatively impact the quality of polymer due to their dissolving properties.

10.6 Hazardous decomposition products

Hydrogen chloride and carbon oxides (or other toxic gases, such as phosgene, nitrogen compounds etc.).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No toxicity tests were performed, but considering the chemical structure of the polymer, LD50 values were estimated LD 50 (swallowing) > 2000 mg/kg. LD 50 (skin) > 2000 mg/kg. Conclusion: based on these LD50 values the product (polymer) does not fulfil the criteria of acute toxicity.
Skin corrosion/irritation	There is no evidence for skin irritation/corrosion properties.
Eye irritation/corrosion	There is no evidence for eye irritation/corrosion properties. The dust causes mechanical irritation.
Sensitising effect on skin	There is no evidence for skin sensitising properties.
Germ cell mutagenicity	No data.
Reproductive toxicity	No data.
Carcinogenicity	No data.
STOT – single exposure	No data.

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STOT – repeated exposure	No data.
Aspiration hazard	No data.
Other	PVC contains small amounts of residual monomer – vinyl chloride (<1 mg VCM/kgPVC), which may be released to the atmosphere, especially during processing, storage and transport. VCM is carcinogenic (OEL for VCM is 5mg/m ³).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No toxicity tests were performed, but considering the chemical composition, physical and chemical properties (see subsection 9.1) the product (polymer) is not toxic for aquatic compartments

12.2 Persistence and degradability

It does not fulfil criteria of biodegradability.

12.3 Bioaccumulation

Not specified, no bioaccumulation is expected.

12.4 Mobility in soil

Not specified.

12.5 Results of PBT and vPvB assessment

The product does not fulfil criteria of PBT or vPvB.

Section 13: DISPOSAL CONSIDERATIONS

Waste and packaging waste disposal

Waste classification:

07 02 13 – plastic waste.

15 01 02 – plastic packaging.

PVC waste and packaging contaminated with PVC granulate are not classified as hazardous waste. Waste should be collected selectively and stored according to the requirements specified in section 7. Waste should be transferred to companies with appropriate permits for waste management.

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Section 14: TRANSPORT INFORMATION

14.1	UN Number:	Not applicable
14.2	Proper shipping name:	Not applicable
14.3	Transport hazard classes:	Not applicable
14.4	Packaging group:	Not applicable
14.5	Special precautions:	Not applicable
14.6	Special precautions:	Not applicable
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable

SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) including amendments.
- Regulation (EC) No. 1272/2008 of the European Parliament and Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures (CLP), including amendments.
- 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) DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives.
- DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

15.2 Chemical safety assessment

Not applicable

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SECTION 16: OTHER INFORMATION

The information in this sheet and its appendices is correct to the best of our knowledge as of the date of its drafting. The information herein shall be considered solely as guidelines for actions and processes falling within the individual sections of the sheet, performed strictly in accordance with the described conditions and in combination with specified materials.

Indication of changes:

General: update of the SDS format, lay down by to the Regulation (EU) 2015/830 of 28 May 2015

Section 1.3 New contact details

Section 1.4 New emergency telephone contact details

Section 7.2: SEVESO III calcification were added

Section 15.1: legislation update

Explanation of abbreviations and acronyms used in the data sheet

LC50 – concentration of a medium causing the death of 50% of the population

LD50 – average lethal dose causing the death of 50% of the population

PBT – persistent bioaccumulative and toxic substance

vPvB – very persistent and very bioaccumulative substance

TLV – Threshold Limit Value.

Additional information:

The polymer contains no substances of a very high concern included on the SVHC list, in quantity more than 0,1% w/w.

(*)Source: [http://www.anwil.pl/EN/REACH_CLP/Pages/Substances-of-very-high-concern-\(SVHC\).aspx](http://www.anwil.pl/EN/REACH_CLP/Pages/Substances-of-very-high-concern-(SVHC).aspx)

This Data Sheet replaces Rev no. 2.0 form 01 June 2015.

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