

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: POLYVINYL ALCOHOL
Substance name: POLYVINYL ALCOHOL
REACH Reg. No.: No registration number is given.
Index No.: N.A.
CAS No.: See section 3
EC No.: See section 3

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

Identified uses: Raw Material
Uses advised against: No uses advised against.

1.3 Details of the supplier of the SDS

Only Representative: N.A.
Address: N.A.
Manufacturer: Beijing Bo Ao International Environmental Technology Development Co., Ltd.
Address: Rm 2-705,6/F, Building 1, 168 Guanwai Street, Xicheng District, Beijing
Tel/Fax: +86-0395-2666666
Importer: N.A.
Address: N.A.
Tel/Fax: N.A.

1.4 Emergency telephone number

In China: +86-0395-2666666 ; or call local POISON CONTROL CENTER

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008[CLP] / G.H.S.

N.A.

Classification according to Council Directive 67/548/EEC [DSD]

N.A.

Additional information

N.A

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008 [CLP] / G.H.S.

Substance name: POLYVINYL ALCOHOL

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements

Prevention: None

Response: None

Storage: None

Disposal: None

Supplemental Hazard information (EUH):

No information available.

Special rules for supplemental label elements for certain mixtures:

Does not fulfil the criteria for classification.

2.3 Other hazards:

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3: Composition/information on ingredients

3.1 Substance information

Substance name: POLYVINYL ALCOHOL
REACH registration No.: No registration number is given.
Index No.: N.A.
CAS No.: 9002-89-5
EC No.: N.A.
Synonyms: N.A.
Purity: $\geq 93.5\%$
Classification: N.A.

Section 4: First aid measures

4.1 Description of first aid measures

General notes: No special measure required.

Inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Skin contact:

Wash off with soap and plenty of water.

Eye contact:

Flush eyes with water as a precaution.

Ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Notes for the doctor:

N.A.

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

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of the immediate medical attention and special treatment needed:

No data available.

Section 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media:

N.A.

5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Combustible Solids

7.3 Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8 : Exposure controls/personal protection

8.1 Control parameters

N.A.

8.2 Exposure controls

Appropriate engineering controls:

General industrial hygiene practice.

Personal protective equipment

Eye and face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance level (EN 143) dust masks.Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls:

Do not let product enter drains.

Industrial hygiene:

N.A.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Solid

Colour:	White
Odour:	Odorless
pH:	Not Applicable.
Melting point:	Not available.
Boiling point:	Not available.
Density:	N.A. (Air = 1)
Vapour pressure:	Not available.
Partition coefficient (n -octanol/water):	Not available.
Solubility(ies):	Not available.
Flash point:	Not available.
Auto-ignition temperature:	Not available.
Flammability:	No information available.
Explosive properties:	Not available.
Oxidizing properties:	No information available.
Viscosity:	Not available.

9.2 Other information

No information available.

Section 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Exposure to light may affect product quality.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - No data available

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

In the event of fire: see section 5

Section 11: Toxicological information

11.1 Toxicokinetics, metabolism and distribution

Metabolism: Not Available.

Absorption, Distribution & Excretion: Not Available.

11.2 Information on toxicological effects

Acute toxicity:

LD50 (oral, rat) > 2000 mg/kg

Skin corrosion/irritation:

Not Available.

Serious eye damage/irritation:

Not Available.

Respiratory or skin sensitization:

Not Available.

Potential health effects:

- Inhalation** Dusts of this product may cause irritation of the nose, throat, and respiratory tract. Severe acute overexposure or chronic overexposure to dusts or powders may cause obstructive lung disorders. Fumes released during thermal processing may irritate respiratory system.
- Ingestion** Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances.
- Skin** Dust or powder may irritate the skin. Mechanical rubbing may increase skin irritation.
- Eyes** Contact with molten material may cause thermal burns.
Dust or powder may cause irritation and/or inflammation to the eye tissue.

CMR effects (Carcinogenicity, Mutagenicity and Toxicity for Reproduction):

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

STOT-single exposure and repeated exposure:

Specific target organ toxicity - single exposure: Not Available.

Specific target organ toxicity - repeated exposure: Not Available.

Additional information:

No data available(Ethenol, homopolymer)

Section 12: Ecological information

12.1 Toxicity

Acute toxicity to fish: Not available.

Acute toxicity to daphnia: Not available.

Acute toxicity to algae: Not available.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available(Ethenol, homopolymer)

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No data available

Section 13: Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

Section 14: Transport information

14.1 Land transport (ADR/RID/GGVSE)

Official transport designation: N/A

UN-No.: N/A

Class: N/A

Packing group: N/A

Classification Code: N/A

Hazard label: N/A

14.2 Sea transport (IMDG-Code/GGVSee)

Proper Shipping Name: N/A

UN-No.: N/A

Class: N/A

Packing group: N/A

EmS No.: N/A

14.3 Air transport (ICAO-TI/IATA-DGR)

Proper Shipping Name: N/A

UN-No.: N/A

Class: N/A

Packing group: N/A

14.4 Additional information

No other information available.

Section 15: Regulatory information

EU regulation:

Authorisations: No information available.

Restrictions on use: No information available.

EINECS: No information available.

DSD: Not Available.

Other chemical regulation: Not available.

USA - TSCA: Not Listed.

Canada - DSL: Not Controlled.

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

Section 16: Other information

16.1 Revision Information

Date of the previous revision: Not applicable.

Date of this revision: Aug.22nd, 2018.

Revision summary: Not applicable

16.2 Abbreviations and acronyms

CLP: EU regulation (EC) No 1272/2008 on classification, labeling and packaging of chemical substances and mixtures.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

EINECS: European Inventory of Existing Commercial Chemical Substances.

RID: European Rail Transport.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

OSHA: The United States Occupational Safety and Health Administration.

TSCA: Toxic Substances Control Act, The American chemical inventory.

DSD: Dangerous Substance Directive (67/548/EEC).

IECSC: Inventory of existing chemical substances in China.

DSL: Domestic Substances List, The Canadian chemical inventory.

- AICS:** The Australian Inventory of Chemical Substances.
ECL: Existing Chemicals List, the Korean chemical inventory.
ENCS: Japanese Existing and New Chemical Substances.

16.3 Key literature references and sources for data

ESIS Dataset: European chemical Substances Information System.

NLM: U.S. National Library of Medicine.

GESTIS-database: Information system on hazardous substances of the German Social Accident Insurance.

HSDB: Hazardous Substances Data Bank.

The Chemical Database.

16.4 Relevant R-phrases and H-statements

R-phrases (code and full text):

None.

S-phrases (code and full text):

None.

H-statements (code and full text):

None.

16.5 Training advice

Provide adequate information, instruction and training for operators.

16.6 Declare to reader

The information in this Safety Data Sheet (SDS) was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.

***** THE END OF SDS *****