

		Safety Data Sheet
REVISION N° 1	DATED 08.04.2019	POLTEM PVA MOLD RELEASE

1. PRODUCT AND COMPANY IDENTIFICATION

Commercial name POLTEM PVA SIVI KALIP AYIRICI
Chemical name PVA mold release agent

Manufacturer/supplier KOLOGLU KIMYA SAN. VE INS. TIC. LTD. STI.
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2. COMPOSITION/INFORMATION ON THE COMPONENT

Substance/Preparation: PVA (Polyvinyl Alcohol) Solution

Chemical Name	CAS Number	Conc. (%)	EC Number	Symbol	R phrases
Polyvinyl alcohol	9002-89-5	10-50	209-183-3	---	---
Isopropyl alcohol	67-63-0	10-50	200-661-7	F, Xi	R11, R36, R67
Water	7732-18-5	10-50	231-791-2	---	---

3. PRODUCT HAZARD IDENTIFICATION

Principal risk Flammable. Harmful by inhalation, in contact with skin and if swallowed. Irritant to eyes and skin.

Health effects - eye Contact with eyes causes pain and redness.

Health effects - skin ---

Health effects – ingestion Sore throat, stomach-ache, headache, dizziness, vomiting, dullness.

Health effects – inhalation ---

4. FIRST AID MEASURES

First aid - eyes Take part immediately. Wash immediately with water keeping the eyelid always far from the eye. Wash immediately with plenty of running water. Immediately take the injured person to an oculist.

First aid - skin Wash with plenty of soap and water immediately. Take all contaminated clothing off immediately. Seek medical advice if irritation develops.

First aid - ingestion Do not induce vomiting. Rinse mouth with water and immediately take him to the nearest first-aid post

First aid - inhalation Move to fresh air, half upright position. Artificial respiration in case of difficulty in breathing. Immediately take the injured person to the medical service after significant exposure.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media Use dry chemical powder for small fire. Use alcohol foam, water spray or fog for large fire. Cool containing vessels with water jet.

Hazardous thermal decomposition products In case of fire toxic fumes might be formed.

Protective equipment Wear suitable protective clothing. Wear self contained breathing apparatus.

		Safety Data Sheet
REVISION N° 1	DATED 08.04.2019	POLTEM PVA MOLD RELEASE

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Do not breathe fumes/vapour. During the operation use the individual protective devices.
Environmental precautions and methods for cleaning up	Do not allow to enter drains or water courses. Cover the remainder with inert absorbent (e.g. vermiculite) for disposal. Advise competent authority.

7. HANDLING AND STORAGE

Handling	Keep away from heat. Keep away from sources of ignition. No smoking. Do not breathe vapour. Avoid contact with skin and eyes. Take precautionary measures against static discharges.
Storage	Keep in a cool, well ventilated place away from peroxides. Take precautionary measures against static discharges.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

<u>Ingredient Name</u>	<u>TLV / PEL</u>
67-63-0 Isopropanol	EH40 (United Kingdom (UK), 2000). TWA: 999 mg/m ³ , 500 ppm STEL: 1250 mg/m ³ , 400 ppm
64-17-5 Ethanol	EH40 (United Kingdom (UK), 2000). TWA: 1920 mg/m ³ , 1000 ppm

Exposure controls and personal protection device.

The personal protection device vary according to possible exposure and danger of the work conditions.

Engineering controls	The working area shall be provided with suitable ventilation system in order to keep the product concentration rate in the air at a low level.
Respiratory protection	In case of emergency wear suitable respiratory equipment (respirator with filter A).
Hand protection	Wear suitable protective gloves of neoprene or synthetic rubber .
Eye protection	Wear eye/face protection during pouring
Skin and body protection	Wear lab coat.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State and Appearance	Liquid
Colour	Transparent
Odour	Charasteristic Alcohol
Boiling Point	---
Melting Point	---
Bulk Density	0,85 g/cm ³
Vapour Density	---
Vapour Pressure	45 hPa (@ 25 °C)
Solubility	Soluble in cold and hot water
pH	6
Flash Point	< 21°C (isopropanol)
Viscosity	250 cP (@ 20 °C)

		Safety Data Sheet
REVISION N° 1	DATED 08.04.2019	POLTEM PVA MOLD RELEASE

10. STABILITY AND REACTIVITY

Stability	This product remains stable under normal storage and use conditions. No dangerous products decomposition.
Conditions to avoid	No dangerous reactions are known of this product if conserved in agreement with the normal industrial standards.
Materials to avoid.	To use only compatible materials. Do not mix with peroxides.
Decomposition products	The main products of the decomposition process are: carbon dioxide, water, carbon monoxide.

11. TOXICOLOGICAL INFORMATION

ETHANOL

Acute toxicity - Oral	LD50 oral - (lethal dose rat)	7000 mg/Kg
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ISOPROPANOL

Acute toxicity - Oral	LD50 oral - (lethal dose rat)	4570 mg/Kg
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12. ECOLOGICAL INFORMATION

Mobility	Not available.
Persistence/Degradability	Not available.
Bioaccumulative Potential	Not available.
Acotoxicity	Not available.

13. DISPOSAL CONSIDERATIONS

This procedure must be carried out in strict observance with the local rules.

Method of Disposal; Waste of Residues; Contaminated Packaging	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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14. TRANSPORT INFORMATION

International Transport Regulations

- UN Number	1219
<u>Land Road/Railway</u>	
- Proper shipping name	PVA Solution, Flammable
- ADR/RID Class	3
- ADR/Kemler	33
- Packing group	II
- Hazard identification number	UN1219

- Remark

Hazard identification number

UN1219

CEPIC Tremcard

30S1219

Remarks

ADR/RID Label



Sea

- Proper shipping name	PVA Solution, Flammable
- IMDG Class	3
- IMDG Page Number (GB)	Not available
- Packing group	II
- Medical First Aid Guide (MFAG)	Not available
- Emergency Schedules (EmS)	F-E:S-D Nr. 3-06
- Marine pollutant	---

IMDG Label



		Safety Data Sheet
REVISION N° 1	DATED 08.04.2019	POLTEM PVA MOLD RELEASE

Air

- Proper shipping name
- UN/ID Number
- IATA-DGR Class

PVA Solution, Flammable
1219
3

IATA Label



15. REGULATORY INFORMATION

EU Regulatinos

- Contains
- Hazard Symbol (s)

Isopropil Alcohol



- Risk Phrases

R11-Highly Flammable.
R36-Irritating to eyes.
R67-Vapours may cause drowsiness and dizziness.

- Safety Phrases

16. OTHER INFORMATION

Date of Printing

08 APRIL 2019

Date of Issue

08 APRIL 2019

Version

03

Conforms to 91/155/EEC-2001/58/EC

The information in this MSDS is provided to users to ensure that the product is used safely and in conjunction with the Product Technical Bulletin, is used effectively. The information is given to the best of our knowledge based on laboratory tests and practical experience. Products are often used under conditions outside our control and we therefore cannot accept liability for the performance of our products or for any claims in respect thereof arising out of the use of the products other than as a result of our negligence. It is Kologlu's policy to continually improve our products and therefore the information given in this MSDS is liable to modification without notice.

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