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## MATERIAL SAFETY DATA SHEET

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### SECTION 1

### IDENTIFICATION

PRODUCT NAME: POLYVINYL ALCOHOL GRADES: PVA17-88  
CHEMICAL NAME: POLYVINYL ALCOHOL SYNONYMS: POLYVINYL ALCOHOL  
CHEMICAL FORMULA: N.A.  
C.A.S. NUMBER: 9002-89-5 C.A.S. NAME: POLYVINYL ALCOHOL  
D.O.T. HAZARD CLASSIFICATION: N.A. D.O.T. LABEL: N/A  
D.O.T.SHIPPING NAME: POLYVINYL ALCOHOL

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### SECTION 2

### HAZARDOUS INGREDIENTS

#### PRINCIPAL HAZARDOUS COMPONENTS

	PCT	PEL	TLV	POTENTIAL HAZARD
POLYVINYL ALCOHOL	90.5%	15MG/M <sup>3</sup>	15MG/M <sup>3</sup>	NUISANCE DUST INHALATION

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### SECTION 3

### PHYSICAL DATA

PHYSICAL STATE: SOLID SOLUBILITY IN WATER: 80DEGREES C  
MELTING POINT: N/A %VOLATILES: 5%  
BOILING POINT: N/A EVAPORATION RATE: N/A  
DENSITY: 1.329 (20DEGREES C) PH1% SOLUTION: 5-7

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### SECTION 4

### FIRE AND EXPLOSION HAZARDS

FLASH POINT: N/A EXPLOSIVE LIMITS: N/A  
NORMAL EXTINGUISHING AGENT: WATER, CHEMICAL FOAM, CARBON DIOXIDE  
SPECIAL PROCEDURES: USE SELF CONTAINED BREATHING APPARATUS  
AND FULL PROTECTIVE CLOTHING.  
UNUSUAL HAZARDS: DUST MAY FORM EXPLOSIVE MIXTURE WHEN  
CONCENTRATED AVOID SPARKS.  
OTHER HAZARDS: NONE KNOWN

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### SECTION 5

### REACTIVITY DATA

STABLE/ UNSTABLE: STABLE  
CONDITIONS TO AVOID: HIGH DUST CONCENTRATIONS AND SPARKS  
INCOMPATIBILITY (MATERIALS TO AVOID): N/A  
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY  
GENERATE CARBON OXIDES

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**SECTION 6**

**HEALTH HAZARD DATA**

EFFECTS OF OVEREXPOSURE: NONE

TOXICITY: NONE

OTHER HEALTH HAZARDS: NUISANCE DUST HAZARD. DUST MAY CAUSE

RESPIRATORY IRRITATION AND DISCOMFORT. USE DUST PROTECTIVE EQUIPMENT IF DUST PRESENT. EFFECTS OF CHRONIC EXPOSURE NOT KNOWN. PERSONS WITH ACUTE RESPONSE, WHEEZING, CHRONIC RESPONSE, OR ASTHMA, TO DUST MUST BE EXCLUDED FROM EXPOSURE.

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**SECTION 7**

**EMERGENCY AND FIRST AID PROCEDURES**

INHALATION: REMOVE FROM EXPOSURE. CONSULT PHYSICIAN IF DIFFICULTY PERSISTS.

SWALLOWING: RINSE WITH WATER; DRINK WATER DO NOT INDUCE VOMITING. CONSULT PHYSICIAN.

SKIN CONTACT: WASH WITH SOAP AND WATER.

EYE CONTACT: FLUSH THOROUGHLY WITH CLEAN WATER FOR 15 MINUTES. IF IRRITATION PERSISTS CONSULT PHYSICIAN.

NOTES TO PHYSICIANS: NONE

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**SECTION 8**

**SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: NIOSH / MSHA APPROVED DUST RESPIRATOR FOR DUST EXPOSURE

PROTECTIVE CLOTHING: SAFETY AT WORK STATIONS RECOMMENDED

SPECIAL EQUIPMENT: EMERGENCY EYE WASH STATION.

SPECIAL PRECAUTIONS: GOOD PERSONAL HYGIENE

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**SECTION 9**

**SPILL OR LEAK PROCEDURES**

SPILL OR LEAK PROCEDURES: RECOVER AS DRY MATERIAL. WASH AREA WITH PLENTY OF WATER. CAUTION – MATERIAL BECOMES EXTREMELY SLIPPERY WHEN WET.

WASTE DISPOSAL: DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS

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**SECTION 10**

**HAZARDOUS IN TRANSPORTATION**

POLYVINYL ALCOHOL IS A NON-HAZARDOUS MATERIAL ACCORDING TO THE AMERICAN STANDARD FOR PRECAUTIONARY LABELING OF HAZARDOUS INDUSTRIAL CHEMICALS (ANSI 2129.1-1976). IT IS NOT DEPICTED AS A HAZARDOUS MATERIAL BY UN REGULATION.

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**SECTION 11**

**SPECIAL PRECAUTIONS**

STORE IN DRY AREA. USE WITH ADEQUATE VENTILATION. AVOID EYE CONTACT. WASH AFTER HANDLING.



**SINOPEC**lon Works

石油化工有限公司四川维尼纶厂

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MANUFACTURER: SINOPEC SICHUAN VINYLON WORKS