



**SIGMA-ALDRICH**

OCT 29 1999

ALDRICH CHEMICAL COMPANY, INC.  
P.O. BOX 355  
MILWAUKEE, WISCONSIN 53201, USA

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DATE 10/22/99  
CUST#: 049504629  
PO#: CC/102099/ASALA

M A T E R I A L S A F E T Y D A T A S H E E T PAGE 1

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #: 36306-5  
NAME: POLY(VINYL ALCOHOL), 99+% HYDROLYZED,  
AVERAGE MW 124,000-186,000

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #: 9002-89-5

SYNONYMS

ALCOTEX 88/05 \* ALCOTEX 88/10 \* ALKOTEX \* ALVYL \* ARACET APV \*  
CIPOVIOL W 72 \* COVOL \* COVOL 971 \* ELVANOL \* ELVANOL 50-42 \* ELVANOL  
52-22 \* ELVANOL 70-05 \* ELVANOL 71-30 \* ELVANOL 90-50 \* ELVANOL 522-  
22 \* ELVANOL 73125G \* EP 160 \* ETHENOL HOMOPOLYMER (9CI) \* GALVATOL 1-  
60 \* GELVATOL \* GELVATOL 1-30 \* GELVATOL 1-90 \* GELVATOL 3-91 \*  
GELVATOL 20-30 \* GELVATOL 2090 \* GH 20 \* GL 02 \* GL 03 \* GLO 5 \* GM  
14 \* GOHSENOL \* GOHSENOL AH 22 \* GOHSENOL GH \* GOHSENOL GH 17 \*  
GOHSENOL GH 20 \* GOHSENOL GH 23 \* GOHSENOL GL 03 \* GOHSENOL GL 05 \*  
GOHSENOL GL 08 \* GOHSENOL GM 14 \* GOHSENOL GM 94 \* GOHSENOL GM 14L \*  
GOHSENOL KH 17 \* GOHSENOL NH 05 \* GOHSENOL NH 17 \* GOHSENOL NH 18 \*  
GOHSENOL NH 20 \* GOHSENOL NH 26 \* GOHSENOL NK 114 \* GOHSENOL NL 05 \*  
GOHSENOL NM 14 \* IVALON \* KURALON VP \* KURARE POVAL 1700 \* KURARE PVA  
205 \* KURATE POVAL 120 \* LEMOL \* LEMOL 5-88 \* LEMOL 5-98 \* LEMOL 12-  
88 \* LEMOL 16-98 \* LEMOL 24-98 \* LEMOL 30-98 \* LEMOL 51-98 \* LEMOL 60-  
98 \* LEMOL 75-98 \* LEMOL GF-60 \* M 13/20 \* MOWIOL \* MOWIOL N 30-88 \*  
MOWIOL N 50-98 \* MOWIOL N 70-98 \* NH 18 \* NM 11 \* NM 14 \* POLYDESIS \*  
POLYSIZER 173 \* POLYVINOL \* POLYVIOL \* POLYVIOL M 13/140 \* POLYVIOL  
MO 5/140 \* POLYVIOL W 25/140 \* POLYVIOL W 40/140 \* POVAL 117 \* POVAL  
120 \* POVAL 203 \* POVAL 205 \* POVAL 217 \* POVAL 1700 \* POVAL C 17 \*  
PVA 008 \* PVS 4 \* RESISTOFLEX \* RHODOVIOL \* RHODOVIOL 4/125 \*  
RHODOVIOL 16/200 \* RHODOVIOL 4-125P \* RHODOVIOL R 16/20 \* SOLVAR \*  
SUMITEX H 10 \* VIBATEX S \* VINACOL MH \* VINALAK \* VINAROL \* VINAROL  
DT \* VINAROLE \* VINAROL ST \* VINAIVOL 2-98 \* VINNAROL \* VINOL \*  
VINOL 125 \* VINOL 205 \* VINOL 351 \* VINOL 523 \* VINOL UNISIZE \* VINYL  
ALCOHOL POLYMER \* VINYLON FILM 2000 \*

SECTION 3. HAZARDS IDENTIFICATION

LABEL PRECAUTIONARY STATEMENTS

CAUTION:  
AVOID CONTACT AND INHALATION.

SECTION 4. FIRST-AID MEASURES

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.  
CALL A PHYSICIAN.  
IF INHALED, REMOVE TO FRESH AIR.  
FLUSH SKIN WITH WATER.  
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF

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WATER FOR AT LEAST 15 MINUTES.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

EXTINGUISHING MEDIA

WATER SPRAY.  
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

UNDER FIRE CONDITIONS, MATERIAL MAY DECOMPOSE TO FORM FLAMMABLE AND/OR EXPLOSIVE MIXTURES IN AIR.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES - - - - -

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.  
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.  
AVOID RAISING DUST.  
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - HANDLING AND STORAGE - - - - -

REFER TO SECTION 8.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - -

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.  
SAFETY SHOWER AND EYE BATH.  
MECHANICAL EXHAUST REQUIRED.  
DO NOT BREATHE DUST.  
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.  
WASH THOROUGHLY AFTER HANDLING.  
KEEP TIGHTLY CLOSED.  
STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE AND ODOR  
OFF WHITE CRYSTALLINE POWDER

SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

INCOMPATIBILITIES  
STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

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CARBON MONOXIDE, CARBON DIOXIDE

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

ACUTE EFFECTS  
MAY CAUSE SKIN IRRITATION.  
MAY CAUSE EYE IRRITATION.  
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

RTECS #: TR8100000  
POLYVINYL ALCOHOL

TOXICITY DATA  
ORL-RAT LD50: >20 GM/KG GISAAA 51(10), 75, 1986  
ORL-MUS LD50: 14700 MG/KG GISAAA 51(10), 75, 1986  
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES  
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR  
COMPLETE INFORMATION.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A  
CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.  
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----

CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. ----- REGULATORY INFORMATION -----

EUROPEAN INFORMATION  
CAUTION: SUBSTANCE NOT YET FULLY TESTED.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK  
IARC CANCER REVIEW:HUMAN NO ADEQUATE DATA IMEMDT 19,341,1979  
IARC CANCER REVIEW:ANIMAL INADEQUATE EVIDENCE IMEMDT 19,341,1979  
IARC CANCER REVIEW:GROUP 3 IMSUDL 7,56,1987  
NOHS 1974: HZD 81944; NIS 159; TNF 17615; NOS 98; TNE 124708  
NOES 1983: HZD X8571; NIS 181; TNF 25435; NOS 133; TNE 500947; TFE  
183064  
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY  
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JUNE 1999

SECTION 16. ----- OTHER INFORMATION -----

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We are Committed to the Success of our Customers through Science, Technology and Service.



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