

**MATERIAL SAFETY
DATA SHEET**

Ashland Chemical Company

DIVISION OF ASHLAND OIL, INC.

P. O. BOX 2219, COLUMBUS, OHIO 43218 • (614) 889-3333

24-HOUR EMERGENCY TELEPHONE (606) 324-1133



002422197

AROPOL WEP 662 P

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THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

Product Name: AROPOL WEP 662 P

3-D ART INCORPORATED
4873 WEST 5055 SOUTH
KEARNS UT 84118

03 56 041 8897900-

Data Sheet No: 0076106-005
Prepared: 06/17/88
Supersedes: 01/27/87

PRODUCT: 564780
INVOICE: 162741
INVOICE DATE: 12/15/87
TO: 3-D ART INCORPORATED
5165 WEST 4900 SOUTH
KEARNS UT 84118

ATTN: PLANT MGR./SAFETY DIR.

SECTION II - PRODUCT IDENTIFICATION

General or Generic ID: UNSATURATED POLYESTER RESIN

DOT Hazard Classification: FLAMMABLE LIQUID (173.115)

SECTION III - COMPONENTS

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS ARE IDENTIFIED IN THIS SECTION
SEE DEFINITION PAGE FOR CLARIFICATION

INGREDIENT	% (by WT)	PEL	TLV	Note
POLYESTER RESIN *	35-40			(1)
STYRENE CAS #: 100-42-5	55-60	100 PPM	50 PPM	(2)

Notes:

- (1) PEL/TLV NOT ESTABLISHED FOR THIS MATERIAL
- (2) ACGIH - SHORT TERM EXPOSURE LIMIT (STEL) FOR STYRENE MONOMER IS 100 PPM. THE OSHA ACCEPTABLE CEILING CONCENTRATION IS 200 PPM. THE ACCEPTABLE MAXIMUM PEAK ABOVE THE ACCEPTANCE CEILING CONCENTRATION FOR AN 8-HOUR SHIFT IS 600 PPM FOR A MAXIMUM DURATION OF 5 MINUTES IN ANY 3 HOURS. NIOSH RECOMMENDS A LIMIT OF 50 PPM, 8-HOUR TWA; 100 PPM 15 MINUTE CEILING.

SECTION IV - PHYSICAL DATA

Boiling Point	for COMPONENT(55-60%)	293.40 Deg F (145.22 Deg C) @ 760.00 mm Hg
Vapor Pressure	for COMPONENT(55-60%)	5.00 mm Hg (68.00 Deg F) (20.00 Deg C)
Specific Vapor Density	AIR = 1	3.9
Specific Gravity		GREATER THAN WATER
Percent Volatiles		55-60%
Evaporation Rate		SLOWER THAN ETHER
Appearance		CLEAR PURPLE HAZE COLOR
State		LIQUID
Form		HOMOG SOLN

SECTION V - FIRE AND EXPLOSION INFORMATION

FLASH POINT 73.0 - 100.0 Deg F (22.8 - 37.8 Deg C)

EXPLOSIVE LIMIT (LOWEST VALUE OF COMPONENT) LOWER - 1.1% UPPER - 6.1%

EXTINGUISHING MEDIA: REGULAR FOAM OR WATER FOG OR CARBON DIOXIDE OR DRY CHEMICAL

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS; CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.

FIREFIGHTING PROCEDURES: WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT AND POSSIBLY ENDANGER THE LIFE OF THE FIREFIGHTER, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID.

WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

SPECIAL FIRE & EXPLOSION HAZARDS: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

NFPA CODES: HEALTH- 2 FLAMMABILITY- 3 REACTIVITY- 2

72-62-7820-02

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SECTION IX - SPECIAL PRECAUTIONS OR OTHER COMMENTS

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS DATASHEET MUST BE OBSERVED.

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.