



MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: JUNE 1, 1986



Union Carbide Corporation urges the customer receiving this Material Safety Data Sheet to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents, and contractors of the information on this sheet, (2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

I. IDENTIFICATION

PRODUCT NAME:	UCAR® WATERBORNE VINYL RESIN DISPERSION AW-150		
CHEMICAL NAME:	Dispersion of vinyl resin in water	CHEMICAL FAMILY:	Vinyl Chloride Copolymer
FORMULA:	(Mixture)	MOLECULAR WEIGHT:	(Mixture)
DEPARTMENT OF TRANSPORTATION	Hazard Classification Shipping Name	None None	
CAS #	--	CAS NAME	Not available (mixture)

II. PHYSICAL DATA

BOILING POINT, 760 mm Hg	~99°C (~210°F)	FREEZING POINT	~0°C (~32°F)
SPECIFIC GRAVITY (H ₂ O = 1)	~1.03 25/20°C	VAPOR PRESSURE at 20°C	~18 mm Hg (solvent portion)
VAPOR DENSITY (air = 1)	4.1 (2-Butoxy-ethanol)	SOLUBILITY IN WATER, % by wt.	Miscible at 20°C
PERCENT VOLATILES BY WEIGHT	~56	EVAPORATION RATE (Butyl Acetate = 1)	~0.9 (solvent portion)
APPEARANCE AND ODOR	Milky-white liquid; mild odor		

III. INGREDIENTS

MATERIAL	%	TLV	HAZARD
See Page 4			

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	None detected (aqueous system)			
FLAMMABLE LIMITS IN AIR, % by volume	LOWER	Not determined	UPPER	Not determined
EXTINGUISHING MEDIA	Non-flammable (aqueous solution); After water evaporates, remaining material will burn. Use alcohol-type or all-purpose-type foams, applied by manufacturers' recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.			
SPECIAL FIRE FIGHTING PROCEDURES	Use water spray to disperse vapors; reignition is possible. Use self-contained breathing apparatus and protective clothing.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

UCC
049751

EMERGENCY PHONE NUMBER • 1-800-UCC-HELP • This number is available days, nights, weekends, and holidays.

V. HEALTH HAZARD DATA**TLV AND SOURCE:**

See Section III. Values from ACGIH 1985-86 and OSHA CFR 29, para. 1910.1000.

EFFECTS OF ACUTE OVEREXPOSURE

SWALLOWING	Moderately toxic. May cause nausea, vomiting, dizziness, drowsiness, incoordination, and unconsciousness.
SKIN ABSORPTION	May cause a moderate order of acute toxicity by skin absorption with toxic effects similar to those described for swallowing.
INHALATION	No information available.
SKIN CONTACT	Brief contact causes mild irritation seen as local redness. Prolonged or widespread contact may lead to moderate irritation of skin.
EYE CONTACT	Splash contamination in the eye will produce moderate irritation seen as excess redness and swelling of the conjunctiva, with potential to cause corneal injury.

EFFECTS OF REPEATED OVEREXPOSURE

No information available.

OTHER HEALTH HAZARDS

No information available.

EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING	Give two glasses of water. Induce vomiting if the patient is conscious. Obtain medical attention.
SKIN	Remove contaminated clothing. Wash skin with soap & water.
INHALATION	Remove to fresh air.
EYES	Immediately flush eyes with water for 15 minutes. See a physician.

NOTES TO PHYSICIAN

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

UCC
049752

VI. REACTIVITY DATA

STABILITY		CONDITIONS TO AVOID	None
UNSTABLE	STABLE		
	X		
INCOMPATIBILITY (materials to avoid)		None	
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS		Burning will produce hydrogen chloride, carbon monoxide and/or carbon dioxide.	
HAZARDOUS POLYMERIZATION		CONDITIONS TO AVOID	None
May Occur	Will Not Occur		
	X		

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	Wear suitable protective equipment; avoid contact with eyes and skin. Small spills could be flushed with large amounts of water. Larger spills should be collected for disposal.
WASTE DISPOSAL METHOD	Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	Self-contained breathing apparatus in high vapor concentrations.		
VENTILATION	This product should be handled within covered, vapor-tight equipment, in which case general (mechanical) room ventilation is satisfactory. Special, local ventilation is recommended at points where vapors can escape to the workplace air.		
PROTECTIVE GLOVES	Butyl	EYE PROTECTION	Monogoggles
OTHER PROTECTIVE EQUIPMENT	Eye bath, safety shower, chemical apron		

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.
FOR INDUSTRY USE ONLY

OTHER PRECAUTIONS
None known.

UCC
049753

The opinions expressed herein are those of qualified experts within Union Carbide Corporation. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of Union Carbide Corporation, it is the user's obligation to determine the conditions of safe use of the product.

III. INGREDIENTS

MATERIAL	%	TLV	HAZARD
Modified Vinyl Copolymer	~44	Not established	None currently known.
Water	46.5	--	None
2-Butoxyethanol (CAS #111-17-62)	~6	25 ppm - <i>skin</i>	Toxic; Irritant
(Triethylamine (CAS # 121-44-8)) >	<1	10 ppm	Toxic; corrosive; flammable
Triethylamine (CAS # 121-44-8)	<1	10 ppm	