MATERIAL SAFETY DATA SHEET

ALDON CORPORATION
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MSDS No. AA 121
Effective Date January 18, 1999

SECTION I NAME

Product	ALKYD RESIN 50%
Chemical Synonyms	Synthetic Resin solution
Formula	Mixture
Unit Size	up to 20 Lt.
C.A.S. No.	Mixture

24 HOUR EMERGENCY ASSISTANCE

CHEMTREC **800-424-9300**
Day 716-226-6177

NFPA HAZARD RATING (3 / 2 / 0)

Health	2
Fire	3
Reactivity	0

HMIS *

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Alkyd resin: Cas No. None assigned	50.0%	None established.
Xylene: CAS No. 1330-20-7	28.0%	See Section V.
Ethyl benzene: CAS No. 100-41-4	6.7%	See Section V.
Toluene: CAS No. 108-88-3	0.4%	See Section V.
VM & P Naphtha: CAS No. 8032-32-4	15.0%	See Section V.

DANGER! FLAMMABLE! HARMFUL IF SWALLOWED OR INHALED. CAUSES SKIN AND EYE IRRITATION. VAPOR HARMFUL.

SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H_2O = 1)	0.97
Boiling Point (°F)	117-142°C (244-287°F)	Percent Volatile by Volume (%)	50%
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (Butyl Acetate =1)	>1
Vapor Density (Air=1)	Heavier than air.		
Solubility in Water	Negligible.		
Appearance & Odor	Clear liquid; aromatic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

			Lower	Upper
Flash Point (Method Used)	18.9°C (66°F)	Flammable Limits in Air % by Volume	0.9%	-------

Extinguisher Media: Foam; carbon dioxide (CO_2); dry chemical or any Class B extinguishing agent.

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing. Water spray may be used to reduce the rate of burning and for cooling containers.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 127)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Moderate fire hazard in the presence of heat or flame; can react with oxidizing materials. Vapors form explosive mixtures with air. Vapor is heavier than air and may travel a considerable distance to a source of ignition and flash back. Toxic vapors in high concentration are anesthetic. Irritant to skin and upper respiratory system. Air oxidation may cause resin to spontaneously ignite.

D.O.T. **RESIN SOLUTION, 3, UN 1866, PG II**

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V HEALTH HAZARD DATA AA 121

Threshold Limited Value: OSHA PEL/TLV: (Xylene 100 ppm/8hr TWA, STEL: 150 ppm) (Ethyl benzene 100 ppm/8 hr TWA, STEL: 125 ppm/15 min) (Toluene TLV: 50 ppm, OSHA PEL: 100 ppm/8 hr TWA) (VM & P Naphtha 300 ppm/8 hr TWA, OSHA STEL: 400 ppm/15 min).

Effects of Overexposure: **INHALATION:** Overexposure can lead to central nervous system depression producing such effects as headache, dizziness, nausea and loss of consciousness. **INGESTION:** May cause vomiting. Aspiration (breathing in) of material into lungs **must be avoided** as liquid contact with lungs can result in chemical pneumonitis and pulmonary edema/hemorrhage. **EYES:** Causes irritation. **SKIN:** May cause irritation, defatting and dermatitis.

Emergency and First Aid Procedures: **INGESTION:** If swallowed, do **NOT** induce vomiting, keep victim warm and quiet. Call physician immediately. Never give anything by mouth to an unconscious person. **EYES:** Flush with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention. **SKIN:** Flush with soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	**Unstable**		**Conditions to Avoid**: Excessive temperature, heat, sparks, flame.
	Stable	X	

Incompatibility (Materials to Avoid): Strong oxidizing agents.

Hazardous Decomposition Products: Incomplete combustion can yield Carbon monoxide and toxic vapors.

Hazardous Polymerization		Conditions to Avoid
May Occur	**Will Not Occur**	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Use proper safety equipment. Ventilate area, eliminate all ignition sources. Absorb in vermiculite, sand, earth or sawdust and place material into a closed container for proper disposal.

Waste Disposal Method: Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Dispose of in accordance with Federal, State and Local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type): In the laboratory work in ventilation hood. If necessary, wear a NIOSH/MSHA-approved canister type respirator to prevent inhalation of vapors or spray mists.

Ventilation	**Local Exhaust**	Recommended.	**Special**	No.
	Mechanical (General)	Required.	**Other**	Adequate to maintain below exposure limit.

Protective Gloves: Rubber **Eye Protection**: Chemical safety glasses.

Other Protective Equipment: Goggles, face shield, lab coat, proper gloves, fire extinguisher, eye wash station, safety shower, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing: Store in a cool, dry place (preferably under 80°F) away from oxidizing materials and fire hazards. Wash thoroughly after handling.

Keep container tightly closed when not in use.

Other Precautions: Read label on container before using. Do not wear contact lenses when working with chemicals.

Avoid inhalation of vapors, mist or fumes. Use adequate ventilation. Keep away from heat, flame and sparks. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	Date	Approved	Chemical Safety Coordinator
No. 2	1/18/99	Michael Raszeja	MR