

OB-DYES-1  
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# MATERIAL SAFETY DATA SHEET

Universal A/C Dye

SECTION I: GENERAL INFORMATION		
Manufacturer/Supplier Name:	Phone:	817-831-6301
Sunair Products Inc.	Emergency:	CHEMTRAC
2329 Solona Ave.		1-800-424-9300
Fort Worth, TX 76117	Date Prepared:	01/03/07

SECTION II: PRODUCT NAME & INFORMATION					
Chemical Name	CAS REG NO.			PERCENTAGE (%)	
Ester Oil / A/C Dye	Proprietary			Proprietary	
NFPA Code:	Health:	1	Fire:	1	Reactivity: 0
HMIS Code:	Health:	1	Fire:	1	Reactivity: 0

**SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS**

This product has no known hazards under applicable laws. The product contains no known carcinogens. No special warning labels are required under OSHA 29 CFR 1910.1200.

**SECTION IV: HAZARD INFORMATION**

**Principle Hazards:** This material has no known hazards.

See Section 11 for complete health hazard information.

SECTION V: FIRST AID PROCEDURES	
<b>EYE:</b>	Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
<b>SKIN:</b>	Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
<b>INHALATION:</b>	Remove exposed person to fresh air if adverse affects are observed.
<b>INGESTION (ORAL):</b>	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.
<b>ADDITIONAL:</b>	Note to physician: Treat symptomatically.

SECTION VI: FIRE FIGHTING PROCEDURES	
<b>FLASH POINT (MINIMUM):</b>	189°C, 372.2°F
<b>UPPER FLAMMABLE LIMIT:</b>	Not determined.

<b>LOWER FLAMMABLE LIMIT:</b>	Not Determined
<b>EXTINGUISHING AGENTS:</b>	Dry Chemical; CO2 foam; water can be used to cool and protect exposed material.
<b>FIRE FIGHTING PROCEDURES:</b>	Recommend wearing self-contained breathing apparatus. Water may cause splattering. Material will float on water.
<b>UNUSUAL FIRE FIGHTING PROCEDURES:</b>	Toxic fumes, gases or vapors may evolve on burning.
<b>AUTOIGNITION TEMPERATURE:</b>	Not determined.
<b>EXPLOSION DATA:</b>	Material does not have explosive properties.

### SECTION VII: SPILL OR LEAK HANDLING PROCEDURES

<b>SPILL PROCEDURES:</b>	Personal protective equipment must be worn, see personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under transportation and labeling (DOT/CERCLA) and other regulatory information section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.
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### SECTION VIII: HANDLING AND STORAGE

<b>HANDLING PROCEDURES:</b>	Wash thoroughly after handling. Empty containers contain product residue which may exhibit hazards of product.
<b>STORAGE PROCEDURES:</b>	Keep containers closed when not in use. Product is hygroscopic. Storage under nitrogen highly recommended.

### SECTION IX: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>EYE PROTECTION:</b>	Safety Glasses
<b>GLOVES PROTECTION:</b>	Use nitrile or neoprene gloves.
<b>CLOTHING RECOMMENDATIONS:</b>	Long sleeve shirt is recommended.
<b>VENTILATION PROCEDURE:</b>	Use with adequate ventilation.
<b>RESPIRATORY PROTECTION:</b>	Under normal conditions, respirator is not usually required.

### SECTION X: PHYSICAL & CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Light yellow brown liquid.	<b>SPECIFIC GRAVITY:</b>	0.97 @ 15.6° c
<b>MOLECULAR WEIGHT:</b>	Not Determined	<b>PH:</b>	Not Determined
<b>EVAPORATION RATE:</b>	Not Determined	<b>% VOLATILE:</b>	Unknown
<b>ODOR THRESHOLD:</b>	Unknown	<b>VISCOSITY:</b>	68 cST @ 40°C 8.4 cST @ 100°C

<b>VAPOR PRESSURE</b>	Not Determined	<b>BOILING POINT</b>	Not Determined
<b>VAPOR DENSITY (AIR=1)</b>	<b>Not Determined</b>	<b>SOLUBILITY IN WATER</b>	Insoluble
<b>FREEZING POINT</b>	<b>Not Determined</b>		

### SECTION XI: STABILITY AND REACTIVITY

<b>STABILITY:</b>	Material is normally stable at moderately elevated temperatures and pressures.
<b>CONDITIONS TO AVOID:</b>	Excessive heat.
<b>INCOMPATIBILITY:</b>	Strong oxidizers, caustic or acidic solutions.
<b>THERMAL DECOMPOSITION:</b>	Smoke, carbon monoxide, aldehydes and other products of incomplete combustion.
<b>POLYMERIZATION:</b>	Will not occur.

### SECTION XII: TOXICOLOGICAL INFORMATION

#### -Acute Exposure-

<b>ORAL TOXICITY:</b>	The LD50 in rats is >5000 mg/Kg. Based on data from similar materials.
<b>EYE IRRITATION:</b>	Not expected to cause eye irritation. Based on data from similar materials.
<b>SKIN IRRITATION:</b>	Not expected to be a primary skin irritant. Based on data from similar materials.
<b>DERMAL TOXICITY:</b>	The LD50 in rabbits is >2000 mg/Kg. Based on data from similar materials.
<b>INHALATION TOXICITY:</b>	No data available to indicate product or components may be a toxic inhalation hazard.
<b>RESPIRATORY IRRITATION:</b>	If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed of mineral oil. Based on data from similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem.
<b>DERMAL SENSITIZATION:</b>	No data available to indicate product or components may be a sensitizer.
<b>INHALATION SENSITIZATION:</b>	No data available to indicate product or components may be respiratory sensitizers.
<b>CHRONIC TOXICITY:</b>	No data available to indicate product or components present at greater than 0.1% are chronic health hazards.
<b>CARCINOGENICITY:</b>	No data available to indicate product or components present at greater than 0.1% may present a carcinogenic hazard.
<b>MUTAGENICITY:</b>	No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.
<b>REPRODUCTIVE TOXICITY:</b>	No data available to indicate product or components present at greater than 0.1% that may cause reproductive toxicity.
<b>TERATOGENICITY:</b>	No data available to indicate product or components present at greater than 0.1% may cause birth defects.
<b>OTHER:</b>	No other health hazards are known.
<b>EXPOSURE LIMITS:</b>	See Hazardous Ingredients Section for any applicable exposure limits for components.

<b>SECTION XIII: ECOLOGICAL INFORMATION</b>	
<b>FRESHWATER FISH TOXICITY:</b>	An environmental effects test program for freshwater fish is in progress.
<b>FRESHWATER INVERTEBRATES TOXICITY:</b>	An environmental effects test program for freshwater invertebrates is in progress.
<b>ALGAE TOXICITY:</b>	Environmental effects data for algae is not available on all materials.
<b>SALTWATER FISH TOXICITY:</b>	Environmental effects data for saltwater fish is not available on all materials.
<b>SALTWATER INVERTEBRATES:</b>	Environmental effects data for saltwater invertebrates is not available on all materials.
<b>BACTERIA TOXICITY:</b>	An environmental effects test program for bacteria is in progress.
<b>MISCELLANEOUS TOXICITY:</b>	Environmental effects data for flora and fauna is not available on all materials.
<b>ENVIRONMENTAL FATE:</b>	An environmental effects test program for biodegradation is in progress.

<b>SECTION XIV: WASTE DISPOSAL</b>	
<b>WASTE DISPOSAL:</b>	Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. Waste management should be in compliance with federal, state, and local laws.

<b>SECTION XV: TRANSPORTATION INFORMATION</b>	
<b>U.S. DOT BULK SHIPPING DESCRIPTION:</b>	Not applicable.
<b>U.S. DOT NON-BULK SHIPPING DESCRIPTION:</b>	Not applicable
<b>IMDG SHIPPING DESCRIPTION:</b>	Not applicable
<b>ICAO SHIPPING DESCRIPTION:</b>	Not applicable
<b>ADR/RID HAZARD CLASS:</b>	Not applicable

<b>SECTION XVI: REGULATORY INFORMATION</b>	
<b>U.S. TSCA INVENTORY:</b>	All components of this material are on the TSCA inventory.
<b>OTHER TSCA REG.:</b>	None known.
<b>SARA EXT. HAZ. SUBST.:</b>	This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substance list.
<b>SARA SECTION 313:</b>	This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substance on the SARA Section 313.
<b>CERCLA HAZ. SUBST:</b>	None known.

<b>CAL. PROP. 65:</b>	This product is not known to contain any chemicals known to the state of California to cause cancer or birth defects. However, we do not conduct routine analysis for all listed materials.
<b>U.S. FUEL REGISTRATION:</b>	Not applicable
<b>U.S. DEPT. OF AGRICULTURE:</b>	This product has not been filed with the USDA to support H2 approvals
<b>FDA APPROVAL:</b>	Not applicable.
<b>EEC EINECS:</b>	All components are in compliance with the EC Seventh Amendment Directive 92/32/EEC.
<b>JAPAN MITI:</b>	All components are in compliance with the Chemical Substances Control Law of Japan.
<b>AUSTRALIA:</b>	All components are in compliance with chemical notification requirements in Australia.
<b>CANADA:</b>	All components are in compliance with the Canadian Environmental Protection Act and are presently on the Domestic Substances List.
<b>CANADIAN FUEL REGISTR.:</b>	Not applicable.
<b>SWITZERLAND:</b>	All components are in compliance with the Environmentally Hazardous Substance Ordinance in Switzerland.
<b>KOREA:</b>	This product requires notification before sale in Korea.
<b>KOREAN FUEL REGISTR.:</b>	Not applicable.
<b>PHILIPPINES:</b>	May require notification before sale under Philippines Republic Act 6969.

**THE INFORMATION IN THIS MATERIAL DATA SAFETY SHEET SHOULD BE PROVIDED TO ALL WHO USE, HANDLE, STORE, TRANSPORT OR ARE OTHERWISE EXPOSED TO THIS PRODUCT. WE BELIEVE THE INFORMATION IN THIS DOCUMENT TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION, BUT MAKE NO GUARANTEE THAT IT IS.**