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## MSDS – Material Safety Data Sheet

REVISION DATE: 8/1/2002

LAMBDA PLAST ORANGE RR

### SECTION 1

#### PRODUCT IDENTIFICATION

TRADE NAME: LAMBDA PLAST ORANGE RR  
CAS NUMBER: 81-64-1  
SYNONYMS: SOLVENT ORANGE 86  
CHEMICAL FAMILY: ANTHRAQUINONE DYE  
PRODUCT CODE:

### SECTION 2

#### COMPONENTS

<u>INGREDIENT</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>CURRENT OSHA LMT</u>
Anthraquinone Dye	81-64-1	100 %	none listed

### SECTION 3

#### PHYSICAL PROPERTIES

BOILING POINT: 450 degrees C. @ 760.00 mm Hg  
MELTING POINT: 191 Degrees Centigrade  
VAPOR PRESSURE: 1 mmHG @ 197 degrees C.  
SOLUBILITY IN WATER: Soluble in hot water  
Ph (1% suspension): Not Available  
SPECIFIC GRAVITY: 1.60  
PERCENT NON-VOLATILE: 100%  
APPEARANCE AND ODOR: Orange powder with no odor  
BULK DENSITY: Not determined

### SECTION 4

#### FIRE AND EXPLOSION DATA

FLASH POINT: Not Applicable  
EXTINGUISHING MEDIA: Water, DRY CHEMICAL, CO2 FOAM  
SPECIAL PROCEDURES: FIREFIGHTERS SHOULD BE EQUIPED WITH NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST POTENTIALLY TOXIC AND IRRITATING FUMES.  
UNUSUAL HAZARDS: MAY LIBERATE IRRITATING OR TOXIC FUMES DURING COMBUSTION OR DECOMPOSITION

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**SECTION 5****REACTIVITY DATA**

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STABILITY: STABLE UNDER NORMAL CONDITIONS  
HAZARDOUS POLYMERIZATION: NOT APPLICABLE  
INCOMPATIBILITY: STRONG OXIDIZING AND REDUCING AGENTS  
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO<sub>2</sub>, OXIDES OF NITROGEN, AND OTHER  
POTENTIALLY TOXIC FUMES.

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**SECTION 6****PERSONAL PROTECTION EQUIPMENT INFORMATION**

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RESPIRATORY PROTECTION: APPROVED DUST RESPIRATOR, AVOID INHALATION OF DUST.  
PROTECTIVE GLOVES: RUBBER  
EYE PROTECTION: SAFETY GOGGLES  
VENTILATION: USE LOCAL EXHAUST VENTILATION  
ADDITIONAL PROTECTIVE MEASURES: NORMAL GOOD WORKING PRACTICES AND HYGIENE SHOULD BE OBSERVED.

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**SECTION 7****HEALTH HAZARDS**

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THRESHOLD LMT VALUES: Not Applicable  
LD<sub>50</sub> (ORAL RAT): Not Determined  
DERMAL IRRITATION-RABBIT: Not Determined  
EYE IRRITATION – RABBIT: Not Determined  
EFFECTS OF EXPOSURE: May cause mild eye and skin irritation  
LISTED CARCINOGENS: NONE  
ADDITIONAL DATA: NONE

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**SECTION 8****EMERGENCY AND FIRST AID PROCEDURES**

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SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH SKIN WITH SOAPY WATER. WASH CLOTHING BEFORE REUSE.

EYES: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. IF BREATHING IS DIFFICULT, CALL A PHYSICIAN

INGESTION: IF SWALLOWED, INDUCE VOMITING IMMEDIATELY BY GIVING TWO GLASSES OF WATER AND STICKING FINGER DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN.

ADDITIONAL MEASURES: NONE FOUND

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**SECTION 9**

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**SPILL AND DISPOSAL PROCEDURES**

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**SPILL OR LEAK PROCEDURES:**

UTILIZE RECOMMENDED PROTECTIVE CLOTHING AND EQUIPMENT. SPILLS SHOULD BE SHOVELED OR VACUUMED AND PLACED INTO CLOSED CONTAINERS FOR PROPER DISPOSAL.

**WASTE DISPOSAL:**

WASTE AND WATER DISPOSAL SHOULD BE IN ACCORDANCE WITH EXISTING FEDERAL, STATE AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS.

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**SECTION 10**

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**OTHER REGULATORY INFORMATION**

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TSCA: Listed

SARA 302: NOT REPORTABLE

SARA 313: NO CHEMICALS ARE REPORTABLE

OSHA: NONE OF THE CHEMICALS IN THIS PRODUCT ARE CONSIDERED HIGHLY HAZARDOUS BY OSHA.

EINECS: REGISTERED

DSL: REGISTERED

DOT REGULATED: NO

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