



KOELOR – 351 (LAKE ALLURA RED – AI LAKE), C.I.NO.: 16035 : 1
MATERIAL SAFETY DATA SHEET

MANUFACTURER: Koel Colours Private Limited.
F-11, Nand-Jyot Industrial Premises,
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SECTION 01 : PRODUCT INFORMATION

PRODUCT NAME : Lake of Allura Red COLOUR INDEX NO: 16035:1
PRODUCT CODE : Koelor - 351 CHEMICAL FAMILY : Monoazo
COMPONENT (s) : AI Lake of FD & C Red 40
HAZARDOUS : No C.A.S. No. : 68583-95-9

SECTION 02 : HAZARDS IDENTIFICATION

When involved in a fire or exposed to high temperatures for an extended period of time, organic pigments may smolder or burn evolving noxious fumes which can include oxides of nitrogen and carbon, or other toxic compounds.

- Arsenic Less than 3.0 ppm
- Lead Less than 10.0ppm
- Mercury Less than 1.0 ppm

These levels are "Typical" quantities and may change slightly with different lots. The term "Less than" indicates that the substance was detected, but the amount was less than the quantifiable limit.

SECTION 03 : PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point Not applicable
Vapour Pressure Not applicable
Vapour Density Not applicable
Percent Volatile By Weight NIL
Evaporation Rate NIL
Appearance and odour Yellowish Red powder. No odour
Molecular Formula C₁₈H₁₄N₂O₈S₂Al₂

FLAMMABILITY DATA

Flash Point Non-flammable material
Flammability Limits Not applicable
Auto ignition Temperature Not applicable
Dust Cloud Ignition Temperature Not applicable

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SECTION 04 : HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	Inert or nuisance dust (ACGIH), 5mg/m ³ Respirable
CAR	(ACGIH), 10 mg/m ³ Total dust (OSHA), 15 mg/m ³ Total dust
CARCINOGENICITY	IARC, NTP, ACGIH or OSHA does not consider this product a carcinogen
PRIMARY ENTRY ROUTE (S)	Inhalation, Ingestion, Skin and Eye Irritation
ACCUTE EFFECTS	Cause mechanical skin and eye irritation

SECTION 05 : FIRST AID

EYE CONTACT	Flush eyes with generous amounts of water for at least 15 minutes. Call a physician if irritation persists.
SKIN CONTACT	Wash skin with mild soap and water. Remove severely contaminated clothing and clean before reuse. Seek medical attention in the unlikely event that irritation occurs
INHALATION	Remove to fresh air. Get medical attention if breathing is difficult.
INGESTION	If conscious, give large quantities of water to induce vomiting. Get medical attention
EFFECTS OF OVEREXPOSURE	May cause mechanical irritation to eyes and respiratory tract.
EMERGENCY AND FIRST AID PROCEDURES	Wash dust from skin with soap and water. Flush out eyes with large amounts of water for at least 15 minutes. See a physician

SECTION 06 : FIRE FIGHTING MEASURES

Nonflammable pigment product. Extinguishing Media	Carbon dioxide, dry chemical or foam recommended. Apply water spray to cool exposed closed containers.
Special Fire Fighting Procedures	Self-contained breathing apparatus and full protective equipment recommended
Unusual Fire and Explosion Hazards	Fire or excessive heat may produce hazardous decomposition products

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SECTION 07 : SPILL OR LEAK PROCEDURES

Steps to take in case material is released or spilled

Normal clean-up procedures. Care should be taken to avoid causing dust to become airborne. Vacuum cleaning systems are recommended.

SECTION 08 : SPECIAL PROTECTION INFORMATION

Eye Protection	Safety glasses, goggles, face shield.
Skin Protection	Leather or rubber gloves.
Respiratory Protection	Use of a NIOSH approved dust respirator is recommended when exposure limits may be exceeded.
Ventilation	Exhaust ventilation to collector or containment recommended to control dust below exposure limits.

SECTION 09 : HANDLING AND STORAGE

Handling:

Good industrial hygiene requires that employee exposure be maintained below the recommended TLV. This is preferably achieved through the provision of adequate ventilation where necessary. Personal respiratory protection should be employed where dust cannot be controlled in this way.

Storage:

Store in a moderately cool, dry, well-ventilated area away from direct sources of heat. Empty containers may contain product residues and should be handled appropriately. Position containers so that any labeling information is visible.

SECTION 10 : STABILITY AND REACTIVITY

GENERAL

This product is a stable compound and hazardous polymerization will not occur.

INCOMPATIBILITY

None known. Avoid strong oxidizing agents. .

SECTION 11 : TOXICOLOGICAL INFORMATION

There are no known dangerous acute or chronic effects associated with the use of this material.

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SECTION 12 : ECOLOGICAL INFORMATION

This product has not been evaluated for its ecotoxicity. However, the biodegradation of colorants under aerobic conditions is expected to be poor and there is no evidence to suggest they create any significant ecological problems when released into the environment. Since organic pigments are mostly insoluble compounds, they are believed to have bioaccumulation and bioavailability characteristics.

SECTION 13 : DISPOSAL CONSIDERATIONS

General

This product must be disposed off in accordance with all applicable federal, state and local regulations.

Waste Management

Incineration or land filling is recommended disposal techniques. Contact the state or local environmental agency for specific rules.

This product is not identified as a RCRA hazardous, WASTE UNDER 40 CFR 261, and is not regulated under CERCLA (Superfund).

SECTION 14 : TRANSPORT INFORMATION

This product is considered to be non hazardous according to U.S. department of transportation and International shipping Regulations

SECTION 15 : REGULATORY INFORMATION

This pigment is not subjected to the reporting requirements of section 313 of the emergency planning and community right to know Act and of 40 CFR 372 (U.S.). They are not included on the EEC list of harmful products (DMN 555 dated 25/07/87)

SECTION 16 : USERS RESPONSIBILITY/ DISCLAIMER OF LIABILITY:-

The information set forth herein is in accordance with our present experience and knowledge, and is intended to describe the product solely with respect to health, safety and environment. Since we have no influence on the way in which our products are treated and used, we can not take any responsibility in this respect. The user must assume responsibility himself and must determine the suitability of the product for his application. All existing proprietary rights, laws and regulations shall be observed. As such, it must not be interpreted as a Guarantee of any specific property of the product.

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SECTION 17 : OTHER INFORMATION

For more information contact to Product Safety at

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