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MATERIAL SAFETY DATA SHEET

CRESOL RED INDICATOR SOLUTION **MSDS CAS: 1733-12-6**

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: CRESOL RED INDICATOR SOLUTION

CAS#: 1733-12-6

Synonym: Cresol Red test solution

Chemical Name: Cresol Red Indicator Solution

Chemical Formula: C₂₁H₁₈O₅S

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight	Hazardous
Cresol Red	1733-12-6	< 0.1%	Yes
Water	7732-18-5	99%	No

Section 3: Hazards Identification

Emergency Overview:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

SAF-T-DATA Ratings (Provided here for your convenience)

Health Rating: 1 - Slight

Flammability Rating: 0 - None

Reactivity Rating: 0 - None

Contact Rating: 0 - None

Lab Protective Equip: GOGGLES; LAB COA

T; PROPER GLOVES

Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation: No adverse health effects via inhalation.

Ingestion: Large doses may cause stomach upset.

Skin Contact: No adverse effects expected.

Eye Contact: No adverse effects expected.

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: No information found.

Section 4: First Aid Measures

Inhalation:

Not expected to require first aid measures.

Ingestion:

If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact:

Not expected to require first aid measures.

Eye Contact:

Wash thoroughly with running water. Get medical advice if irritation develops.

Section 5: Fire and Explosion Data

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Section 6: Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust.

Section 7: Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

Section 8: Exposure Controls/Personal Protection

Airborne Exposure Limits: None established.

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Section 8: Exposure Controls/Personal Protection (Continued)

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.

WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

Section 9: Physical and Chemical Properties

Appearance	: Clear, deep red solution.
Odor	: No information found.
Molecular Weight	: 382.42 g/mole.
Solubility	: No information found.
Specific Gravity	: No information found.
pH	: No information found.
% Volatiles by volume @ 21C (70F):	0.
Boiling Point	: No information found.
Melting Point	: No information found.
Vapor Density (Air=1)	: No information found.
Vapor Pressure (mm Hg)	: No information found.
Evaporation Rate (BuAc=1)	: No information found.

Section 10: Stability and Reactivity Data

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

May form oxides of carbon and sulfur when heated to decomposition.

Section 10: Stability and Reactivity Data (Continued)

Hazardous Polymerization: Will not occur.

Incompatibilities: No information found.

Conditions to Avoid: No information found.

Section 11: Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

-----\Cancer Lists\-----

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Cresol Red (1733-12-6)	No	No	None
Water (7732-18-5)	No	No	None

Section 12: Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

Section 13: Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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Section 14: Transport Information

Land transport (ADR-RID)

General information: Not regulated.

Sea transport (IMDG) [English only]

General information: Not regulated.

Air transport (ICAO-IATA) [English only]

General information: Not regulated.

Section 15: Other Regulatory Information

-----\Chemical Inventory Status - Part 1\-----				
Ingredient	TSCA	EC	Japan	Australia
Cresol Red (1733-12-6)	Yes	Yes	No	Yes
Water (7732-18-5)	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----				
---Canada---				
Ingredient	Korea	DSL	NDSL	Phil.
Cresol Red (1733-12-6)	No	Yes	No	Yes
Water (7732-18-5)	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----				
-----SARA302- -----SARA313-----				
Ingredient	RQ	TPQ	List Chemical	Catg.
Cresol Red (1733-12-6)	No	No	No	No
Water (7732-18-5)	No	No	No	No

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Section 15: Other Regulatory Information (Continued)

-----\Federal, State & International Regulations - Part 2\-----
-RCRA- -TSCA-

Ingredient	CERCLA	261.33	8(d)
Cresol Red (1733-12-6)	No	No	No
Water (7732-18-5)	No	No	No

**Chemical Weapons Convention: No TSCA12(b): No CDTA: No
SARA311/312: Acute: No Chronic: No Fire: No Pressure: No
Reactivity: No (Mixture / Liquid).**

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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