Material Safety Data Sheet

1. Chemical Product and Company identification

Product name: MARDUPOL CRESYLIC ACID 180 / 210 CLARO

Supplier:

W.H. KEYS LIMITED
HALL END WORKS
CHURCH LANE
WEST BROMWICH
WEST MIDLANDS
B71 1BN

Telephone: 0121 553 020 6
Fax: 0121 500 5820

Emergency Telephone Number As Above

2. Composition

Chemical Description: A mixture of Mixed cresols and Phenol

Hazardous Components

Name:	CAS No:	Symbol:	R Phases
Cresols (mix)	1319-77-3	T	24/25/34
Phenol	108-95-2	T	24/25/34

3. Hazard Identification

Classification: Toxic and corrosive

Health Risks: Toxic in contact with skin and if swallowed.
Causes burns

Environmental Effects: Harmful to aquatic organisms, may cause long terms adverse effects in the aquatic environment

4. **First Aid Measures (Symptoms)**

Skin Contact:	There may be redness or whiteness of the skin in the area of exposure
Eye Contact:	There may be pain and redness
Ingestion:	There may be irritation of the throat with a feeling of tightness in The chest.

First Aid Measures (Action)

Skin Contact:	Remove all contaminates clothes and footwear immediately unless Stuck to the skin. Drench the affected area with running water for 10 Minutes or longer if substance still on skin. Transfer to hospital if there Are signs of burns or symptoms of poisoning?
Eye contact:	Bathe eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Ingestion	Do not induce vomiting. If conscious give one pint of water immediately. Transfer to hospital as soon as possible.
Inhalation	Remove casualty from exposure, ensuring ones own safety whilst doing so Transfer to hospital as soon as possible

5. Fire Fighting Measures

Extinguishing Media:	Dry chemical powder, carbon dioxide, foam or sand
Not recommend:	Water Jet
Exposure Hazards	In combustion emits toxic fumes of Carbon Dioxide and Carbon Monoxide
Protection of fire	Wear self-contained breathing apparatus, wear protective clothing to prevent fighters contact with skin and eyes

6. Accidental Release Measures:

Personal Precautions	Refer to section 8 MSDS for personal protection details
Environmental precautions:	Contain the spillage using bunding. Do not discharge into drains And rivers. If this cannot be avoided the appropriate authorities should be informed.
Clean up procedures	Absorb in dry earth or sand. Transfer to a closable labelled salvage Container for disposal by an appropriate method. Wash the spillage Site with large amounts of water.

7. Handling and storage

Handling	Avoid contact with skin, always wear full protective clothing, prevent any spillage's, and ensure there is sufficient ventilation of The area .No smoking or any other naked lights
Storage	Keep containers tightly closed and away from sources of heat. Provide adequate ventilation.
Suitable Packaging	Must only be kept in original packaging

8. Exposure controls/personal protection

Engineering Measures	Ensure there is sufficient ventilation of the area
Respiratory Protection	Respiratory protection required if there is a risk of exposure to high vapour concentrations. Gas/vapour filter, type A: organic Vapours (EN141)
Hand protection	PVC Chemical Resistant Gloves
Eye Protection	Safety goggles, face shield. Ensure eye bath is to hand
Skin protection	Protective clothing with elasticised cuffs and closed neck Boots made of PVC. Ensure safety shower is to hand.
Other	Change overalls regularly, wash/shower at end of shift
TWA 8 hr exposure limit	19 mg/m3 (cresol mix)

9. Physical and chemical properties :

State:	Liquid
Colour	Yellowish
Odour:	Characteristic Odour
Solubility in water:	Slightly soluble
Flash Point:	+ 80°c
Relative Density @ 20°c	1.030-1.14v0 Kg/M3

10. Stability and reactivity

Stability	Stable at normal temperatures
Decomposition Products	No dangerous decomposition products known
Condition to avoid	dangerous reactions may lead to explosive gases/fumes being formed

11. Toxicological Information

Effects of exposure	Has a corrosive effect on body tissues and poisons by absorption, Ingestion and inhalation. If sufficient quantities of material enter the system, this can in severe cases lead to respiratory failure, collapse or death.
Toxicity	Oral rat LD 50
OES	Recommend long term exposure 19mg/m3 (phenol mix)

12. **Ecological information**

Mobility persistence and degradability: expected to be slowly but ultimately biodegradable

Ectoxicity:	Fish (48 hr LC50) (96 hr LC50)
	Daphnia (24 hr LC50)

13. **Disposal considerations**

Disposal:	This material must be disused of in accordance with local and national regulations
National or regional	Disposal should be carried out in compliance with Part 2 of the EPA: 1990

14. **Transport Information**

UN No:	2022
Proper Shipping Name	Cresylic Acid
UN hazard Class	6.1 Toxic Sub Haz. 8 corrosive
Packing Group	II
ICA0/ITA:	Class 6.1 Packing Group 2
RID/ADR:	Class 6.1 T.C.I
Hazchem/EAC	2 X
Marine Pollutant	Yes

15. Regulatory Information

Hazard Symbol	Toxic, corrosive dangerous for environment	
Risk Phrases	F.24/25	Toxic in contact with skin and if swallowed
	R34	Causes Burns
	R.52/53	Harmful to aquatic life may cause long term Effects aquatic environment
Safety Phrases	S.26	In case of contact with eyes, rinse immediately With plenty of water and seek medical advice.
	S.27/28	After contact with skin take off immediately all Contaminated clothing, and wash immediately With plenty of polyethylene- glycol 300 and ethanol (2:1), and then with soap and water
	S 36/37 39	Wear suitable protective clothing gloves and eye Protection.
	S45	In case of accident or if you will unwell, seek medical advice immediately (show the label where possible)
	S 61	Avoid release to the environment refer to Special instructions- Data sheets

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The users attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions