

SDS Reference CAT005  
Version No. 1  
Revision Date  
Authorisation Date 1<sup>ST</sup> APRIL 2002

# Safety Data Sheet



DRISHEEN MOF

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

**Product Name** DRISHEEN MOF

**Synonym (s)**

**Company Identification** CATOMANCE TECHNOLOGIES LIMITED  
4 CAXTON PLACE  
STEVENAGE  
HERTS SG1 2UF  
Telephone: 01438 360747 (24 hours)

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation** AQUEOUS PREPARATION OF SOLVENTS AND SURFACTANTS

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
SODIUM HYDROXIDE	1310-73-2	215-185-5	C: R35	Approx. 2%
ALKYL (C <sub>10-14</sub> ) BENZENE	85117-49-3	285-599-9	Xn; R22	5-10%
SULPHONIC ACID			C: R34	
ISOPROPYLATED PHENOL (CONTAINING PHENOL)			T: R24/25 C: R34; N: R50, 53	Approx 1%

## 3. HAZARDS IDENTIFICATION



**IRRITANT**

### Physical & Chemical:

**Health:** IRRITATING TO EYES AND SKIN (see section 16)  
THE PREPARATION CONTAINS SUBSTANCES THAT HAVE AN OCCUPATIONAL EXPOSURE LIMIT (OEL)

**Environmental:** HARMFUL TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT (see section 12)

## 4. FIRST AID MEASURES

### General information

**Inhalation** If inhaled, provide fresh air, warmth, rest and if necessary, seek medical advice.

**Skin contact** Immediately wash contaminated skin with soap and large quantities of water. If necessary, seek medical advice.

**Eye contact** Immediately wash eyes thoroughly with plenty of water until irritation subsides. If necessary (e.g. irritation persists), consult an eye specialist/ophthalmologist.

**Ingestion** Allow the patient to vomit on his own accord. Give copious water to drink; if necessary seek medical advice..

SDS Reference CAT005  
Version No. 1  
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# Safety Data Sheet



DRISHEEN MOF

## 4. FIRST AID MEASURES

Further information

## 5. FIRE FIGHTING MEASURES

<b>General hazard</b>	THE PRODUCT IS NOT FLAMMABLE
<b>Extinguishing media</b>	To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder)
<b>Extinguishing media not to be used</b>	
<b>Special exposure hazards</b>	The thermal decomposition products released should be considered toxic if inhaled.
<b>Protective equipment</b>	Wear self-contained breathing apparatus.
<b>Further information</b>	Avoid run-off water entering the drains (e.g. use barriers)

## 6. ACCIDENTAL RELEASE MEASURES

<b>Methods for cleaning up</b>	Adhere to personal protective measures. Take up with absorbent material, e.g. sand, sawdust into tightly closable containers. Label container and dispose of as prescribed.
<b>Environmental considerations</b>	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
<b>Further information</b>	

## 7. HANDLING & STORAGE

<b>Advice on safe handling</b>	Handle in accordance with good hygiene and safety practice.
<b>Storage conditions</b>	Ensure adequate ventilation of the storage area. Keep containers tightly closed and dry.
<b>Further information</b>	

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure controls</b>	Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls. LTEL (8 hour TWA): 2 ppm mg/m <sup>3</sup> MEL data for phenol (EH40/2002) STEL (15 minutes): ppm 2 mg/m <sup>3</sup> OES data for sodium hydroxide (EH40/2002)
<b>Engineering controls</b>	Ensure adequate ventilation of working area
<b>Personal protection</b>	Observe normal standards for handling chemicals.. Avoid breathing vapour. Avoid contact with skin and eyes. (Phenol can be absorbed through skin) Wash hands before breaks and after work. Wear personal protective equipment appropriate to the task (see below)
<b>Eye protection</b>	Safety goggles
<b>Skin protection</b>	Plastic or rubber gloves

SDS Reference CAT005  
Version No. 1  
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# Safety Data Sheet



DRISHEEN MOF

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory protection** Respirator if ventilation is judged to be insufficient.  
**Other protection** Protective overalls.

## 9. PHYSICAL & CHEMICAL PROPERTIES

**Physical form** Viscous liquid  
**Colour** Amber  
**Odour** Perceptible  
**pH** 8.5-9.5  
**Boiling pt / range** From 100 °C  
**Melting pt / range** °C  
**Flash point** °C  
**Autoflammability** °C  
**Density** Approx 1.0 g/cm<sup>3</sup>  
**Explosive limits** Lower: % (v/v) Higher: % (v/v)  
**Viscosity**  
**Vapour pressure**  
**Water solubility** Miscible  
**Additional information**

## 10. STABILITY & REACTIVITY

**Stability** Stable under normal conditions of handling.  
**Thermal decomposition**  
**Conditions to avoid**  
**Material to avoid** The product may be incompatible with strong oxidising agents.  
**Hazardous reactions**  
**Hazardous decomposition products**  
**Further information**

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** LD<sub>50</sub> rat (oral) mg/kg No data available

SDS Reference CAT005  
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# Safety Data Sheet



DRISHEEN MOF

## 11. TOXICOLOGICAL INFORMATION

**Dermal compatibility** No data available  
**Mucous membrane compatibility** No data available  
**Further information**

## 12. ECOLOGICAL INFORMATION

**Acute toxicity** LC<sub>50</sub> Fish < 1.0 mg/l Data for isopropylated phenol  
**Degradability** No data available (It is assumed that biodegradability is < 60% as a precaution.)  
**Further information** Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

## 13. DISPOSAL CONSIDERATIONS

**Advice on disposal** In accordance with national and local authority regulations, e.g. special waste or incineration  
**Contaminated packaging** Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

## 14. TRANSPORT INFORMATION

**United Nations number** Not classified for transport.  
**Packaging group**  
**IMDG code**  
**RID / ADR**  
**ICAO / IATA**  
**Marine pollutant**  
**Proper shipping name**  
**Emergency action code**  
**Further information**

## 15. REGULATORY INFORMATION

**Classification & labelling** The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3]

SDS Reference CAT005  
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# Safety Data Sheet



DRISHEEN MOF

## 15. REGULATORY INFORMATION



**IRRITANT**

<b>Risk phrases</b>	R36/38 R52/53	IRRITATING TO EYES AND SKIN. HARMFUL TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
<b>Safety phrases</b>	S26 S36 S60	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. WEAR SUITABLE PROTECTIVE CLOTHING THIS MATERIAL AND/OR ITS CONTAINER MUST BE DISPOSED OF AS HAZARDOUS WASTE.

## 16. OTHER INFORMATION

<b>Further information</b>	The classification is based on the conventional method and the pH of the product.
<b>Sources of data</b>	The Approved Supply List, the Approved Carriage List, other suppliers' safety data sheets

### Risk phrases referred to in section 2

R22: Harmful if swallowed.  
R24/25 Toxic in contact with skin and if swallowed.  
R34: Causes burns.  
R35: Causes severe burns  
R50: Very toxic to aquatic organisms

**Date of issue** 01-04-2002

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.