

SDS Reference CAT014
Version No. 3
Revision Date 10-05-2012
First issued 1ST APRIL 2002

Safety Data Sheet

catomance
t e c h n o l o g i e s

MYSTOLENE MK9

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name MYSTOLENE MK9
Use(s) Water repellent used in textile processing
Company Identification MURPHY AND SON LIMITED
ALPINE STREET, OLD BASFORD
NOTTINGHAM
NG6 0HQ, UNITED KINGDOM
Telephone: 01462 457186
Emergency telephone: 01462 457186 (24hrs)
SDS Competent person: trevor@rising-hsande.co.uk

2. HAZARDS IDENTIFICATION



IRRITANT

Physical & Chemical: NON HAZARDOUS
Health: IRRITATING TO EYES
THE PREPARATION CONTAINS SUBSTANCES THAT HAVE A WORKPLACE EXPOSURE LIMIT (WEL)
Environmental: ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO BE HARMLESS TO THE ENVIRONMENT IF HANDLED IN THE CORRECT MANNER.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation AQUEOUS PREPARATION CONTAINING ACID SALTS AND ADDITIVES

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
ZIRCONIUM ACETATE	7585-20-8	231-492-7	Xi: R36/37	5-10%
ACETIC ACID	64-19-7	200-580-7	C: R35	2-5%
AMMONIA SOLUTION	1336-21-6	215-647-6	C: R34 N: R50	< 1.0%

4. FIRST AID MEASURES

General information

Inhalation No special first aid measures necessary.
Skin contact Wash contaminated skin with soap and large quantities of water. If necessary, seek medical advice.
Eye contact 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.

Further information

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5. FIRE FIGHTING MEASURES

General hazard THE PRODUCT IS NOT FLAMMABLE

Extinguishing media To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder)

Extinguishing media not to be used

Special exposure hazards The thermal decomposition products released should be considered toxic if inhaled.

Protective equipment Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up 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.

Environmental considerations Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

Further information

7. HANDLING & STORAGE

Advice on safe handling Handle in accordance with good hygiene and safety practice.

Storage conditions Ensure adequate ventilation of the storage area. Keep containers tightly closed and dry.

Further information

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls.

LTEL (8 hour TWA):	10 ppm	25 mg/m ³	Data for acetic acid (EH40/2002)
STEL (15 minutes):	15 ppm	37 mg/m ³	Data for acetic acid (EH40/2002)

Engineering controls Ensure adequate ventilation of working area. Provide local exhaust ventilation.

Personal protection Observe normal standards for handling chemicals..
Avoid contact with skin and eyes. Avoid breathing vapour
Wash hands before breaks and after work.
Wear personal protective equipment appropriate to the task (see below)

Eye protection Safety goggles

Skin protection Plastic or rubber gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)

Respiratory protection Respirator if ventilation is insufficient.

Other protection Protective overalls

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9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Free flowing emulsion
Colour	White
Odour	Slightly acidic
pH	4
Boiling pt / range	From 100 °C
Melting pt / range	°C
Flash point	°C
Autoflammability	°C
Density	Approx 1.0 g/cm ³
Explosive limits	Lower: % (v/v) Higher: % (v/v)
Viscosity	Not determined
Vapour pressure	

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	
Conditions to avoid	
Material to avoid	
Hazardous reactions	Not known
Hazardous decomposition products	Not known

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD ₅₀ rat (oral)	mg/kg	No data available
Dermal compatibility	No data available		
Mucous membrane compatibility	No data available		

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12. ECOLOGICAL INFORMATION

Acute toxicity LC₅₀ Fish mg/l No data are available
Degradability No data available
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. The Hazardous Waste (England & Wales) Regulations 2005.
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.
Marine pollutant The product should not be marked as a marine pollutant

15. REGULATORY INFORMATION

Classification & labelling The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3.1].



IRRITANT

Risk phrases R36 IRRITATING TO EYES
Safety phrases S26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S36 WEAR SUITABLE PROTECTIVE CLOTHING.

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16. OTHER INFORMATION

Further information The SDS has been revised in the following sections: 1; 2; 3; 8; 13

Sources of data The Approved Supply List and other suppliers' safety data sheets

Risk phrases referred to in section 3

R34: Causes burns.
R35: Causes severe burns
R36/37: Irritating to eyes and respiratory system
R50: Very toxic to aquatic organisms

Date of issue 10-05-2012

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.