

SDS Reference CAT008
Version No. 2
Revision Date 05-08-2008
First issued 1ST APRIL 2002

Safety Data Sheet

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

MYSTOLENE ALUMINIUM TRIFORMATE

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name MYSTOLENE ALUMINIUM TRIFORMATE
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



CORROSIVE

Physical & Chemical:

Health: CAUSES BURNS.
THE PREPARATION CONTAINS A SUBSTANCE THAT HAS A WORKPLACE EXPOSURE LIMIT (WEL)

Environmental:

3. 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>
FORMIC ACID	64-18-6	200-579-1	C: R35	10-15%

4. FIRST AID MEASURES

General information Remove contaminated clothing immediately, to be disposed of or washed before reuse.

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. SEEK MEDICAL ADVICE.

Eye contact Immediately wash eyes thoroughly with plenty of water until irritation subsides. 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. Beware of aspiration if vomiting does occur.

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.

Further information

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):	5 ppm	9.6 mg/m ³	Data for formic acid (EH40/2005)
STEL (15 minutes):	ppm	mg/m ³	

Engineering controls Ensure adequate ventilation of working area

Personal protection Observe normal standards for handling chemicals..
Avoid breathing vapour. Avoid contact with skin and eyes.
Wash thoroughly after handling (shower if necessary)
Wear personal protective equipment appropriate to the task (see below)

Eye protection Safety goggles

Skin protection Plastic or rubber gloves

Respiratory protection Respirator if ventilation is judged to be insufficient.

Other protection Protective overalls or aprons

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9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Clear liquid
Colour	Colourless
Odour	Odourless
pH	3.8
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	
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 ₅₀ rat (oral)	mg/kg	No data available
Dermal compatibility	No data available		
Mucous membrane compatibility	No data available		
Further information			

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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 1779
Packaging group II
IMDG code 8/1779/II
RID / ADR 8, II
ICAO / IATA
Marine pollutant The product should not be marked as a marine pollutant.
Proper shipping name FORMIC ACID MIXTURE
Emergency action code 2X
Further information

15. REGULATORY INFORMATION

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



CORROSIVE

Risk phrases R34 CAUSES BURNS.
Safety phrases S23 DO NOT BREATHE VAPOUR
S26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S36 WEAR SUITABLE PROTECTIVE CLOTHING
S45 IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW LABEL WHERE POSSIBLE).

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16. OTHER INFORMATION

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

Sources of data The Approved Supply List, the Approved Carriage List, other suppliers' safety data sheets

Risk phrases referred to in section 3

R35: Causes severe burns

Date of issue 05-08-2008

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.