

FIRE SERVICES & SUPPLIES



44 Culm Lea Cullompton Devon EX15 1NJ

Mobile: 07545 097968 Website: <http://www.Fire-Services.co.uk> Email: info@Fire-Services.co.uk

Company Registration No: 6808735

PRODUCT SAFETY DATA SHEET: M28 Powder	
ISSUE NO:	1
AUTHORISED:	
DATE:	May 2005
1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING	
Product Name:	M28
Application:	Fire fighting powder for use on Class D fires
2) COMPOSITION/INFORMATION ON THE INGREDIENTS	
Ingredients	CAS Number % Symbol Risk Phrases
There are no hazardous components based upon current legislation. Please see section 8 for respirable dust information	
3) HAZARDS IDENTIFICATION	
Important Hazards	
Large doses may cause irritation of the stomach and an increase in blood pressure.	
4) FIRST AID MEASURES	
4.1) Eye Contact	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. If symptoms persist seek medical advice and treat symptomatically.
4.2) Contact with the skin	Wash the skin immediately with soap and water
4.3) Inhalation	Remove casualty from exposure. Provide rest, warmth and fresh air
4.4) Ingestion	Rinse mouth with water and give plenty of water to drink. Do not induce vomiting.
5) FIRE FIGHTING MEASURES	
No specific measures required as this product is a fire extinguishing medium. If product containers are involved in fire then suitable extinguishing media should be applied	
6) ACCIDENTAL RELEASE MEASURES	
Do not allow to enter public sewers and watercourses. If contamination of drainage systems or watercourses is unavoidable, immediately inform appropriate authorities.	
Shovel into dry containers. Cover and move the containers. Vacuum cleaning is recommended to minimise dust formation. Flush the area with water.	
7) HANDLING AND STORAGE	
Handling	When handling this product use suitable containment methods to avoid generation of dust and local exhaust ventilation to limit personal exposure
Storage	Keep cool and dry in the absence of vibration. Maintain good housekeeping practice
8) EXPOSURE CONTROLS AND PERSONAL PROTECTION	
Recommended engineering controls	Product contains respirable Silica which has a MEL of 0.3 mg/m3 (8 hour TWA).
Control parameters	Use of gloves, goggles and protective clothing is recommended
Ventilation	Provide sufficient ventilation for operations causing dust formation.
Respirators	Respiratory protection (P1) must be used if air concentration exceeds acceptable level



FIRE SERVICES & SUPPLIES



44 Culm Lea Cullompton Devon EX15 1NJ

Mobile: 07545 097968 Website: <http://www.Fire-Services.co.uk> Email: info@Fire-Services.co.uk

Company Registration No: 6808735

Protective gloves	No specific hand protection noted but gloves may be still advisable. Use protective gloves made of Impermeable material
Eye protection	Wear approved chemical safety goggles where eye exposure is reasonably probable
Hygienic work practices	Wash at end of each work shift and before eating, smoking and using toilet
9) PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Fine powder
Odour	Odourless
pH	Approximately 6.0 of 10% solution in water.
Density/Specific Gravity	Settled apparent density 1000 – 1300 kg/m ³
Solubility	Soluble in water but silicon additive delays dissolution
Flammability	Non-flammable
Decomposition	at 800°C in flame zone
10) STABILITY AND REACTIVITY	
Stability	Normally stable
Conditions to avoid	Avoid contact with water
11) TOXICOLOGICAL INFORMATION	
Toxic date – LD 50	Sodium chloride: 3000 mg/kg (oral rat).
Ingestion	Harmful, moderately toxic.
Skin contact	Prolonged or repeated exposure may cause irritation.
Inhalation	Long term inhalation of dust may irritate respiratory system or lungs.
Eye contact	Particles in the eyes may cause irritation and smarting
12) ECOLOGICAL INFORMATION	
Mobility	Soluble in water therefore it could affect water courses.
In the event of large spillage, advise appropriate authority	
13) DISPOSAL CONSIDERATIONS	
Disposal methods	Powder or contaminated packaging to be collected, sealed tightly in bags and disposed on approved landfills.
Waste Class	European Waste Catalogue 160304
14) TRANSPORT INFORMATION	
Not classified as hazardous for transport	
15) REGULATORY INFORMATION	
Risk phrases	Not classified
Safety phrases	S-22 Do not breathe dust
UK regulatory references	Classification, Packaging and Labelling Regulations 1984. The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations 1993
EU directives	Dangerous Preparations Directive 88\379. System of Specific information relating to Dangerous Preparations 91\155. Safety



FIRE SERVICES & SUPPLIES



44 Culm Lea Cullompton Devon EX15 1NJ

Mobile: 07545 097968 Website: <http://www.Fire-Services.co.uk> Email: info@Fire-Services.co.uk

Company Registration No: 6808735

	Data Sheet Directive 2001/58
Statutory instruments	Chemicals (Hazard Information and Packaging) Regulations Control of Substances Hazardous to Health
Approved code of practice	Safety Data Sheets for Substances and Preparations L62. Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes	Occupational Exposure Limits EH40. CHIP for everyone HSG(108).
16) OTHER INFORMATION	
Sources of key data used	Croner's: Substances Hazardous to Health. Croner's: Emergency First Aid Guide. Croner's: Emergency Spillage Guide. Croner's: Dangerous Substances

