

SAFETY DATA SHEET



molecular

SOFNOFIL

Safety Data Ref: 22

Date: 23/01/2008

Issue No: 7

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1 IDENTIFICATION OF SUBSTANCE	Commercial Name Chemical Name	Sofnofil Impregnated activated alumina
2 COMPOSITION	Components	%W/W CAS EINECS Supply Class
	Aluminium Oxide	>80% 1344-28-1 215-691-6 N/A
	Potassium Permanganate	< 6% 7722-64-7 231-760-3 N/A
3 HAZARDS IDENTIFICATION		Material contains a low level of oxidising agent. Dust may cause irritation of eyes and mucous membranes
4 FIRST AID MEASURE	Inhalation Skin Eyes Ingestion	Remove from exposure. Obtain medical attention if discomfort persists Drench with clean water. Obtain medical attention if skin becomes inflamed Irrigate thoroughly with clean water. Obtain medical attention Wash out mouth thoroughly. Obtain medical attention
5 FIRE FIGHTING	Extinguishing Media Fire & Explosion Hazards Protective Measures	Water, Foam, CO ₂ , powder are all suitable Material is non-combustible. Packaging may be combustible. Release of low volumes of oxygen in fire Breathing apparatus may be needed
6 ACCIDENTAL RELEASE	Personal Precautions Environmental Precautions Recovery	Avoid inhaling dust. Avoid skin and eye contact No hazard Contain material. Sweep or vacuum up
7 HANDLING & STORAGE		Store in a clean dry environment. Keep containers closed. Avoid temperatures exceeding 190°C
8 EXPOSURE CONTROLS	Occupational Exposure Limits (EH40)	Component TWA/8h
		Aluminium Oxide 10mg(Al)/m ³
		Potassium Permanganate 5mg/m ³
PERSONAL PROTECTION	Respiratory Skin Eyes Hygiene	Nuisance dust mask recommended General purpose rubber gloves Glasses or goggles to protect against dust Wash after skin contact
9 PHYSICAL & CHEMICAL PROPERTIES	Appearance Odour Relative Density Solubility in water	Purple coloured solids. Brown after use None 3.3 g/cm ³ Slightly soluble, potassium permanganate will leach out of solid to give purple to brown colouration

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10 STABILITY & REACTIVITY

Material is stable. Avoid high temperatures (>190°C) and contact with oxidisable matter

11 TOXICOLOGICAL INFORMATION

Material has low order of toxicity by ingestion

12 ECOLOGICAL INFORMATION

No risk of prolonged damage to animal or plant life

13 DISPOSAL CONSIDERATIONS

Disposal by licensed contractor and carrier

14 TRANSPORT INFORMATION

Transport Classification	None
UN Number	None
Hazard Class	N/A
Packing Group	N/A

15 REGULATORY INFORMATION

Supply Classification	None
Risk Phrases	N/A
Safety Phrases	N/A

16 OTHER INFORMATION

The intended use of this product is as an odour and hazardous gas absorbent for industrial gas filtration. Examples of the gases decomposed and absorbed are Hydrogen Sulphide, Sulphur Dioxide, Formaldehyde and Glutaraldehyde.

For information relating to:

- a) use of product and general enquiries
- b) purchase orders or delivery
- c) technical information and copies of safety data sheets

Please contact: Molecular Products Ltd, Mill End, Thaxted, Essex CM6 2LT, UK
Tel: +44 (0) 1371 830676 Fax: +44 (0) 1371 830998 E.mail: sales@molprod.com

For advice on medical emergencies, fires, spillages or chemical hazards involving warehousing, air, sea, road or rail transportation.

Please contact: National Chemicals Emergency Centre, OX14 3DE
24 hour emergency number: +44 (0) 1865 407333

THE INFORMATION IN THIS SAFETY DATA SHEET IS BASED ON BEST KNOWLEDGE AVAILABLE AT THE TIME AND CURRENT NATIONAL LEGISLATION. IT PROVIDES GUIDANCE ON HEALTH, SAFETY AND ENVIRONMENTAL ASPECTS OF THE PRODUCT AND SHOULD NOT BE CONSTRUED AS ANY GUARANTEE OF TECHNICAL PERFORMANCE OR SUITABILITY FOR PARTICULAR APPLICATION. AS THE SPECIFIC CONDITIONS OF USE ARE OUTSIDE THE CONTROL OF THE SUPPLIER, THE USER IS RESPONSIBLE FOR ENSURING THAT THE PRODUCT IS USED IN A SAFE WAY AND THE REQUIREMENTS OF RELEVANT LEGISLATION ARE COMPLIED WITH.