

SAFETY DATA SHEET



molecular

SOFNOCAT

Safety Data Ref: 21

Date: 24/01/2008

Issue No: 8

Pages: 1 of 2

1 IDENTIFICATION OF SUBSTANCE	Commercial Name Chemical Name	Sofnocat, Sofnocat 423, Sofnocat 420, Sofnocat 510, Sofnocat 514, Sofnodisc Precious metal catalyst on support				
2 COMPOSITION		Components	%W/W	CAS	EINECS	Supply Class
		Platinum	< 1	7440-06-4	231-116-1	N/A
		Palladium	< 2	7440-05-3	231-115-6	N/A
		Tin Oxide	<50	18282-10-5	242-159-0	N/A
3 HAZARDS IDENTIFICATION		Dust may cause irritation of eyes, nose and throat May cause skin irritation or allergy				
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 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				
8 EXPOSURE CONTROLS	Occupational Exposure Limits (EH40)	Component	TWA/8h			
		Platinum	5mg/m ³ (Platinum)			
		Palladium	Not established			
		Tin Oxide	2mg/m ³ (Tin)			
PERSONAL PROTECTION	Respiratory Skin Eyes Hygiene	Nuisance dust mask recommended General purpose rubber gloves Glasses to protect against dust Wash after skin contact				
9 PHYSICAL & CHEMICAL PROPERTIES	Appearance Odour Solubility in water	Grey or black coloured solids, granules, pellets, beads, monoliths None Not soluble				

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10 STABILITY & REACTIVITY

Material is stable. Heat is generated when exposed to materials which oxidise easily in air

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

Return cleaned/washed and dried used materials to manufacturer for recovery of precious metals

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 these product are:

- a) as a catalyst for oxidising carbon monoxide or hydrogen in air or other oxygen containing gases at ambient temperatures.
- b) oxidising organic compounds in air at elevated temperature.

Use with suitable filter elements to collect dust released from catalysts.

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.