

# Safety Data Sheet



Product name:

**Sofnocat**

Safety Data Ref: 21  
Initial issue date: 04 June 2013  
Revision date: 30 March 15  
Version number: 10

1 IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY	
1.1	Product identifier Sofnocat, Sofnocat 423, Sofnocat 420, Sofnocat 510, Sofnocat 514, Sofnodisc
1.2	Relevant use(s)/misuse(s) Precious metal catalyst on support
1.3	SDS supplier Molecular Products Ltd, Parkway, Harlow Business Park, Harlow, Essex, CM19 5FR, UK
1.4	Emergency contact (global) +44 (0) 1279 445111 (office hours) / +44 (0)1865 407333 (24 hour emergency number, English speaking) trevor@rising-hsande.co.uk (competent person email)
	Emergency contact (other) China +86 512 8090 3042, China (NRCC): +86 532 8388 9090, Mexico: +52 555 004 8763, Chile: +56 225 829 336, Brazil: +55 11 3197 5891

2 HAZARDS IDENTIFICATION	
2.1	Classification of the substance or mixture
2.1.1	Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) Not classified
2.1.1	Classification according to EC Directives 67/548/EEC and 1999/45/EC (CHIP 4) Not classified
2.1.3	Additional information - none
2.2	LABELLING ELEMENTS
2.2.1	Labelling in accordance with EC Directives 67/548/EEC and 1999/45/EC (CHIP 4)
	Physiochemical According to experience, the product has no adverse physiochemical properties if handled in the correct manner
	Health According to experience, the product has no adverse health effects if handled in the correct manner
	Environmental According to experience, the product has no adverse environmental effects if handled in the correct manner
2.2.2	Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)
	Pictogram(s) Not classified
	Signal word Not classified
	Hazard statements Not classified
	Precautionary statements Not classified
2.3	Other hazards
	Dust may cause irritation of eyes, skin, nose and throat. Contains substances that have been assigned a Workplace Exposure Limit (WEL)

3 COMPOSITION / INFORMATION ON INGREDIENTS				
Chemical characterisation	Mixture of inorganic substances			
Chemical name	CAS-No	EINECS/ELINCS	Classification	Concentration
Platinum	7440-06-4	231-116-1	CHIP: Not classified CLP: Not classified	<1%
Palladium	7440-05-3	231-115-6	CHIP: Not classified CLP: Not classified	<2%
Tin oxide	18282-10-5	242-159-0	CHIP: Not classified CLP: Not classified	<50%

4 FIRST AID MEASURES	
4.1	Description of measures
	Inhalation Remove casualty to fresh air and provide warmth and rest
	Skin contact Clean areas of skin affected with soap and plenty of water. If necessary, seek medical advice
	Eye contact Wash out eye thoroughly with plenty of water until irritation subsides. If necessary, consult an eye specialist/ophthalmologist
	Ingestion If swallowed, do NOT induce vomiting. Drink plenty of water and, if necessary, seek medical advice
4.2	Most important effects/symptoms None known
4.3	Immediate/special treatment Treatment as described above

5 FIRE FIGHTING MEASURES	
5.1	Extinguishing media Water, Foam, CO <sub>2</sub> , powder are all suitable
5.2	Special hazards Material is non-combustible. Packaging may be combustible
5.3	Advice for fire fighters Self-contained breathing apparatus may be required

6 ACCIDENTAL RELEASE MEASURES		
6.1	Personal precautions	Adhere to personal protective measures Avoid inhaling dust. Avoid skin and eye contact
6.2	Environmental precautions	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once
6.3	Methods and materials for cleaning up	In the event of spillage, take up mechanically (e.g. sweep or vacuum up) into tightly closed containers. Adhere to personal protective measures. Label container and dispose of as prescribed
6.4	Reference to other sections	See section 8 for personal protective equipment

7 HANDLING AND STORAGE		
7.1	Precautions for safe handling	Handle in accordance with good hygiene and safety practice
7.2	Conditions for safe storage	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry
7.3	Specific end use(s)	See section 1.2

8 EXPOSURE CONTROLS / PERSONAL PROTECTION					
8.1	Workplace Exposure Limits (WELs) have been assigned by the HSE (EH40/2011)				
	TWA (8 hours)	ppm	5	mg/m <sup>3</sup>	Data for Platinum metal
	TWA (8 hours)	ppm	2	mg/m <sup>3</sup>	Data for tin compounds (as Sn)
	STEL (15 mins)	ppm	4	mg/m <sup>3</sup>	Data for tin compounds (as Sn)
8.2	Exposure controls				
	Engineering controls	Provide adequate ventilation (e.g. local exhaust ventilation)			
	Personal protection	Observe normal standards for handling chemicals Wash hands before breaks and after work Avoid contact with skin and eyes. Avoid inhalation of dust if raised Wear personal protective equipment appropriate to the task (see below)			
	Eye protection	Safety goggles if risk of eye contamination			
	Skin protection	Rubber gloves (consider your own risk assessment, e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)			
	Respiratory protection	Approved dust mask or respirator (e.g. EN 149:2001 FFP3) for dust if ventilation is insufficient			
	Other protection	Protective overalls			

9 PHYSICAL AND CHEMICAL PROPERTIES				
9.1	Basic physical and chemical properties			
	Physical form	Granules, pellets, beads, monoliths	Colour	Grey or black
	Odour	Odourless	pH	Not determined
	Boiling pt/range	Not determined	Melting pt/range	Not determined
	Flash point	Not applicable	Relative density	Not determined
	Water solubility	Insoluble		
9.2	Other information	None		

10 STABILITY AND REACTIVITY		
10.1	Reactivity	Heat is generated when exposed to materials which oxidise easily in air
10.2	Chemical stability	Stable under normal conditions of handling
10.3	Hazardous reactions	None known
10.4	Conditions to avoid	Materials which oxidise easily in air
10.5	Incompatible material	None known
10.6	Hazardous decomposition products	None known

11 TOXICOLOGICAL INFORMATION			
11.1	Information on toxicological effects		
	Acute toxicity	LD <sub>50</sub> rat (oral)	Not determined
	Dermal compatibility	No data available	
	Mucous membrane compatibility	No data available	
	Other information	Material has low order of toxicity by ingestion	

12 ECOLOGICAL INFORMATION						
12.1	Toxicity	LC <sub>50</sub>	Aquatic organisms		mg/l	No data available
12.2	Degradability	Not determined	12.3	Bio-accumulative potential	Not determined	
12.4	Mobility in soil	Not determined	12.5	PBT/vPvB assessment	Not applicable	
12.6	Other adverse effects	Do not allow to get into waste water or waterways. If this occurs, inform the relevant water authority at once				

13 DISPOSAL CONSIDERATIONS		
13.1	Advice on disposal	If possible, recycle to supplier or approved recycling company. If not (e.g. designated as waste), dispose of 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: if possible wash out thoroughly and recycle

14 TRANSPORT INFORMATION					
14.1	United Nations number (ADR, IMDG, IATA)	Not classified	14.2	Proper shipping name (ADR, IMDG, IATA)	Not classified
14.3	Transport class(s) (ADR, IMDG, IATA)	Not classified	14.4	Packing group (ADR, IMDG, IATA)	Not classified
14.5	Environmental hazards (ADR, IMDG, IATA)	The product should not be marked as a marine pollutant	14.6	Special procedures (ADR, IMDG, IATA)	Not applicable
14.7	Transport in bulk	Not applicable			

15 REGULATORY INFORMATION		
15.1	Safety, health and environmental regulations	The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 4) and EC Regulation 1272/2008 (CLP). Other regulatory information and provisions are not applicable for this product
15.2	Chemical safety assessment	Not applicable

16 OTHER INFORMATION		
	Further information	The SDS has been revised in accordance with EC Regulation 1272/2008 (CLP)
		Comply with COSHH Regulations
	Sources of data	Other suppliers' safety data sheets, EH40 (2011)
	Date of issue	30/03/2015
	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 problems	