

# Safety Data Sheet



Product name:

**Sofnocat 514**Safety Data Ref: 21  
Initial issue date: 04 June 2013  
Revision date: 26 May 2020  
Version number: 13

Section 1 IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY		
1.1	Product identifier	Sofnocat 514
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) sds@molprod.com (email)
	Emergency contact (other)	China: 400 120 6011, Mexico: +52 555 004 8763, Chile: +56 225 829 336, Brazil: +55 11 3197 5891

Section 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	
2.1.3	Additional information - none		
2.2	LABELLING ELEMENTS		
2.2.1	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)		

Section 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	Not classified	<1%
	Palladium	7440-05-3	231-115-6	Not classified	<2%
	Tin (IV) oxide	18282-10-5	242-159-0	Not classified	<50%

Section 4 FIRST AID MEASURES		
4.1	Description of measures	
	Inhalation	Remove casualty to fresh air and provide warmth and rest. Seek medical advice
	Skin contact	Clean areas of skin affected with soap and plenty of water., 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

Section 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

Section 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

Section 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

Section 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			

Section 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		

Section 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

Section 11 TOXICOLOGICAL INFORMATION		
11.1	Information on toxicological effects: No data on the finished product.	
	Acute toxicity	Not classified for any component
	Skin corrosion/irritation	Not classified for any component

	Serous eye damage/irritation	Not classified for any component
	Respiratory or skin sensitisation	Not classified for any component
	Germ cell mutagenicity	Not classified for any component
	carcinogenicity	Not classified for any component
	Reproductive toxicity	Not classified for any component
	STOT-single exposure	Not classified for any component
	STOT-repeated exposure	Not classified for any component
	Aspiration hazard	Not classified for any component
	Other information	Material has low order of toxicity by ingestion

<b>Section 12</b>	<b>ECOLOGICAL INFORMATION</b>
-------------------	-------------------------------

information on ecotoxicity effects on finished product not available						
None of the components classified for the environment						
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				

<b>Section 13</b>	<b>DISPOSAL CONSIDERATIONS</b>
-------------------	--------------------------------

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

<b>Section 14</b>	<b>TRANSPORT INFORMATION</b>
-------------------	------------------------------

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			

<b>Section 15</b>	<b>REGULATORY INFORMATION</b>
-------------------	-------------------------------

15.1	Safety, health and environmental regulations	The product is classified in accordance with EC Regulation 1272/2008 (CLP). Other regulatory information and provisions are not applicable for this product
15.2	Chemical safety assessment	Not applicable

<b>Section 16</b>	<b>OTHER INFORMATION</b>
-------------------	--------------------------

	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)
	Prepared by	Dr Patricia Wormald, Molecular Products, PW@molprod.com
	Date of issue	26 May 2020
	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	