

Safety Data Sheet



Product name:

Sofnosiv

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Issue: I

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Compiled in accordance with REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

Prepared according to GB CLP which is the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain

Section 1 IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY		
1.1	Product identifier	Sofnosiv
	Unique Formula Identifier (UFI)	G940-N06C-500T-4N5R
1.2	Relevant use(s)/misuse(s)	Absorbent
1.3	SDS supplier	Molecular Products Ltd, Parkway, Harlow Business Park, Harlow, Essex, CM19 5FR, UK
1.4	Emergency contact	+44 (0) 1279 445111 (office hours) / +44 (0)1865 407333 (out of hours, English speaking) sds@molprod.com (email)
	Emergency contact (other)	China +86 512 8090 3042, 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			
2.2	Labelling elements			
2.2.1	Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)			
	Pictogram	None	Signal word	None
	Hazard statements	None		
	Precautionary statements	None		
2.3	Other hazards			
	When first wetted, the product can heat up to the boiling point of water. Flood with water to cool material. Repeated or prolonged exposure may irritate eyes, skin and respiratory system. Repeated and prolonged inhalation of crystalline silica in the form of quartz from occupational sources may cause cancer.			

Section 3 COMPOSITION / INFORMATION ON INGREDIENTS						
3.1	Chemical characterisation					
	Chemical name	REACH no.	CAS No	EC no.	Classification	Concentration
	*Zeolite, cuboidal, crystalline, synthetic, non-fibrous	01-2119429034-49	1318-02-1	930-915-9	Not classified	<= 100%
	*Quartz (SiO ₂)	-	14808-60-7	238-878-4	Not classified	< 10%

* Non-hazardous substance - for information only

Section 4 FIRST AID MEASURES		
4.1	Description of measures	
	Inhalation	Remove casualty to fresh air. If necessary, seek medical advice
	Skin contact	Immediately clean areas of skin with soap and plenty of water. If necessary, seek medical advice
	Eye contact	Immediately wash out eye thoroughly with plenty of water for at least 15 minutes or until irritation subsides; if necessary consult an eye specialist/ophthalmologist
	Ingestion	Drink at least 2 glasses of water. Obtain medical attention. Never give anything by mouth to an unconscious person.
4.2	Most important effects/symptoms	None known

4.3	Immediate/special treatment	This product is a desiccant and generates heat as it adsorbs water. Treat symptomatically. The used product can contain material of a hazardous nature. Identify that material and treat symptomatically.
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Section 5 FIRE FIGHTING MEASURES		
5.1	Extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
5.2	Special hazards	The product itself does not burn. The used product can retain material of a hazardous nature. Identify that material and inform the fire fighters.
5.3	Advice for fire fighters	In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit.

Section 6 ACCIDENTAL RELEASE MEASURES		
6.1	Personal precautions	Adhere to personal protective measures. Avoid inhalation of dust
6.2	Environmental precautions	Do not allow to get into wastewater or waterways; if this occurs, inform the relevant water authority at once
6.3	Methods and materials for cleaning up	Sweep, shovel or vacuum spilled product into appropriate containers (do not use a vacuum if material has contacted a hydrocarbon material). Pick up and arrange disposal without creating dust. Never return spills in original containers for re-use. Spilled product should be disposed of in accordance with all applicable government regulations.
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. Avoid dust formation
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)	Adsorbent

Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION									
8.1	Workplace Exposure Limits (WELs) have been assigned by the HSE (EH40/2020)								
	LTEL (8 hours)	Zeolite, cuboidal, crystalline, synthetic, non-fibrous			10	mg/m ³	Inhalable dust		
	LTEL (8 hours)	Zeolite, cuboidal, crystalline, synthetic, non-fibrous			4	mg/m ³	Respirable dust		
	LTEL (8 hours)	Quartz (SiO ₂)			0.1	mg/m ³	Respirable dust		
	Substance name	Zeolite, cuboidal, crystalline, synthetic, non-fibrous							
	EC number	930-915-9			CAS number	1318-02-1			
	DNELs								
		Workers				Consumers			
	Route of exposure	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effects local	Acute effects systemic	Chronic effects local	Chronic effects systemic
	Oral	Not required				No data	No data	No data	1.25 mg/kg bw/d
	Inhalation	No data	No data	No data	3 mg/m ³	No data	No data	No data	0.003 mg/m ³
	Dermal	No data	No data	No data	2.5 mg/kg bw/d	No data	No data	No data	1.25 mg/kg bw/d
	PNEC's Zeolite, cuboidal, crystalline, synthetic, non-fibrous								
	Environmental protection target				PNEC				
	Fresh water				3.2 mg/L				
	Freshwater sediments				No data available				
	Marine water				0.32 mg/L				
	Marine sediments				No data available				
	Food chain				No potential for bioaccumulation.				
	Microorganisms in sewage treatment				95 mg/L				
	Soil (agriculture)				600 mg/kg dw				
	Air				No hazard identified				
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 raising dust Wear personal protective equipment appropriate to the task (see below)							
	Eye protection	Chemical goggles or safety glasses with side shields.							

	Skin protection	Hand protection: Rubber gloves (consider your own risk assessment, e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken) EN 374 Other skin protection: Protective overalls
	Respiratory protection	Approved dust mask or respirator (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	Beads/pellets	Colour	Tan
	Odour	Odourless	pH	8-11
	Boiling pt/range	Not applicable	Melting pt/freezing pt	> 400°C
	Flash point	Not applicable	Relative density	> 2.0 g/cm ³
	Water solubility	insoluble	Decomposition temperature	Not determined
	Evaporation rate	Not applicable	Flammability	Non flammable
	Lower and upper explosion limits	Not applicable	Vapour pressure	Not applicable
	Vapour density	Not applicable	Partition coeff. LogPoct/water	Not applicable
	Auto-ignition temperature	Not applicable	Viscosity	Not applicable
	Explosive properties	Not determined	Oxidising properties	Not determined
	Particle characteristics	Not applicable		
9.2	Other information	None known		

Section 10 STABILITY AND REACTIVITY		
10.1	Reactivity	No data available
10.2	Chemical stability	Stable under normal conditions of handling
10.3	Hazardous reactions	Hazardous polymerisation will not occur
10.4	Conditions to avoid	No data
10.5	Incompatible material	Sudden contact with high concentrations of chemicals having high heats of adsorption such as olefins, HCl, etc. When first wetted, the product can heat up to the boiling point of water. Flood with water to cool material.
10.6	Hazardous decomposition products	No decomposition if used as directed. Hydrocarbons and other materials that contact the product during normal use can be retained on the product. It is reasonable to expect that decomposition products will come from these retained materials of use.

Section 11 TOXICOLOGICAL INFORMATION			
11.1	Information on toxicological effects		
	Acute toxicity	LD ₅₀ rat (oral)	> 32,000 mg/kg
	Dermal compatibility	LD50 rabbit (dermal)	> 2000 mg/kg
	Mucous membrane	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	

Section 12 ECOLOGICAL INFORMATION					
12.1	Toxicity	LC ₅₀	Aquatic organisms	mg/l	Not determined
12.2	Degradability	Not determined	12.3	Bioaccumulative potential	Not expected to bioaccumulate
12.4	Mobility in soil	Not determined	12.5	PBT/vPvB assessment	Not applicable
12.6	Other adverse effects	None known			

Section 13 DISPOSAL CONSIDERATIONS	
Advice on disposal	Can be landfilled or incinerated, when in compliance with local regulations. Store containers and offer for recycling of material when in accordance with the local regulations. Contact waste disposal services. Materials

		of a hazardous nature that contact the product during normal use may be retained on this product. The user of the product must identify the hazards associated with the retained material in order to assess the waste disposal options. Provisions relating to waste: EC Directive 2006/12/EC; 2008/98/EEC; Regulation No. 1013/2006
	Contaminated packaging	Treat empty containers in the same way as the product. If possible wash out thoroughly and recycle

Section 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)	Not classified	14.6	Special procedures (ADR, IMDG, IATA)	Not applicable
14.7	Transport in bulk	Not applicable			

Section 15		REGULATORY INFORMATION	
15.1	Safety, health and environmental regulations	In accordance with EC Regulation 1272/2008 (CLP) the product is not classified. Other regulatory information and provisions are not applicable for this product	
15.2	Chemical safety assessment	Not applicable	

Section 16		OTHER INFORMATION	
	Further information	The SDS has been prepared in accordance with EC Regulation 1272/2008 (CLP)	
	Hazard statements referred to in sections 2/3		
		Not classified	
		Comply with COSHH Regulations	
	Sources of data	Other suppliers' safety data sheets, Annex VI of the CPL Regulation (EC) No 1272/2008, EH40 (2020)	
	Prepared by	Dr Patricia Wormald, Molecular Products, PW@molprod.com Neil Stearn, Cambridge Environmental Assessments; neil.stearn@cea-res.co.uk	
	Date of issue	30 March 2022	
	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		