


# Safety Data Sheet



Product name:  
**Sofnosiv**

Safety Data Ref: 24  
Initial issue date: 24 January 2008  
Revision date: 01 June 2015  
Version number: 9

1 IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY	
1.1	Product identifier Sofnosiv
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) 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)
	Skin Corr. 1B H314
2.1.2	See section 16 for full text of hazard statements
2.2	Labelling elements
2.2.1	Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)
	Pictogram  Signal word DANGER
	Hazard statements
	H314 Causes severe skin burns and eye damage
	Precautionary statements
	P260 Do not breathe dust/fume P280 Wear protective gloves/protective clothing/eye protection/face protection P312 Call a POISON CENTER or doctor/physician if you feel unwell P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
2.3	Other hazards
	THE PREPARATION CONTAINS A SUBSTANCE THAT HAS A WORKPLACE EXPOSURE LIMIT (WEL)

3 COMPOSITION / INFORMATION ON INGREDIENTS				
	Chemical characterisation	Sodium calcium aluminosilicate		
	Chemical name	CAS-No	EINECS/ELINCS	Classification
	Aluminium oxide	1344-28-1	215-619-6	Not classified
	Silicon oxide	7631-86-9	231-545-4	Not classified
	Sodium oxide	1313-59-3	215-208-9	Skin Corr. 1B H314; EUH014
	Calcium oxide	1305-78-8	215-138-9	Skin Irrit. 2 H315; Eye Dam. 1 H318; STOT SE 3 H335
				Concentration
				< 35%
				< 60%
				5-20%
				26.5-98%

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 until irritation subsides; if necessary consult an eye specialist/ophthalmologist
	Ingestion If product is swallowed, drink plenty of water – do not induce vomiting
4.2	Most important effects/symptoms
	None known
4.3	Immediate/special treatment
	Treat symptomatically

5 FIRE FIGHTING MEASURES		
5.1	Extinguishing media	To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder)
5.2	Special hazards	Non 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 inhalation of dust
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 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. 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

8 EXPOSURE CONTROLS / PERSONAL PROTECTION					
8.1	Workplace Exposure Limits (WELs) have been assigned by the HSE (EH40/2011)				
	LTEL (8 hours)	ppm	2	mg/m <sup>3</sup>	Calcium oxide
	LTEL (8 hours)	ppm	10	mg/m <sup>3</sup>	Inhalable dust
	LTEL (8 hours)	ppm	4	mg/m <sup>3</sup>	Respirable dust
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	Rubber gloves (consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)			
	Respiratory protection	NIOSH Approved dust respirator if conditions are dusty			
	Other protection	Protective overalls			

9 PHYSICAL AND CHEMICAL PROPERTIES				
9.1	Basic physical and chemical properties			
	Physical form	Solid	Colour	Tan
	Odour	Odourless	pH	8-11
	Boiling pt/range	Not applicable	Melting pt/range	Not determined
	Flash point	Not applicable	Relative density	1.1 g/ml
	Water solubility	insoluble	Odour threshold	Not determined
	Evaporation rate	Not applicable	Flammability	Non flammable
	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
	Decomposition temperature	Not determined		
9.2	Other information	None known		

10 STABILITY AND REACTIVITY		
10.1	Reactivity	Heat is generated when exposed to moisture
10.2	Chemical stability	Stable under normal conditions of handling
10.3	Hazardous reactions	Hazardous polymerisation will not occur
10.4	Conditions to avoid	Moisture
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)	mg/kg	No data available	
Dermal compatibility	No data available – likely to cause skin damage			
Mucous membrane	No data available – likely to cause eye irritation/damage			

12 ECOLOGICAL INFORMATION				
12.1 Toxicity	LC <sub>50</sub>	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			

13 DISPOSAL CONSIDERATIONS	
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. Material is a special waste under UK legislation
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)	Not classified	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	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

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	
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
EUH014	Reacts violently with water
	Supplementary hazard statement
	Comply with COSHH Regulations
Sources of data	Other suppliers' safety data sheets, Annex VI of the CPL Regulation (EC) No 1272/2008, EH40 (2011)
Date of issue	01/06/2015
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	