

Product Safety Data Sheet**MS with Indicator**

Data of issue / Reference

27.02.01 P11

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01.03.2001 Sheet no. 30601

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1 Commercial product name and supplier1.1 Commercial product name/
designation**MS with indicator
75% Z4-01 + 25% Z-R gel**

1.1.1 Synonym

1.1.2 Empirical formula

1.2 Application / use

Adsorbent

1.5 TOX emergency number

01 / 251 51 51 (Toxicological Information Centre, Zurich, CH)

1.6 BAG T Nr. / EDV-No.

1.7 CAS No.

Product No. 03-0601

2 Composition

2.1 Chemical characterisation

75% Zeolite Z4-01 (CAS-No.: 1318-02-1)
25% Z-R gel (CAS-No.: 7631-86-9; < 0.1% pigment)

2.2 Hazardous components

Does not contain any dangerous substances according to the
criteria of the EC (Council Directive 88/379/EEC).

2.3 Further information

3 Hazards identification**The activated product evolves much heat on contact with water.****4 First aid measures**

4.1 Eye contact

Flush copiously with water for at least 15 minutes whilst keeping the
eyes wide open.

4.2 Skin contact

Bedewed skin flush with plenty of water.

4.3 Ingestion

Drink a lot of water if large amounts are ingested.

4.4 Inhalation

Move to fresh air. Administer oxygen in case of asphyxia.

4.5 Further information

4.6 Data sheet no. From the SFV file

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5	Fire-fighting measures	
5.1	Suitable extinguishing media	Adapt the fire extinguisher to surroundings.
5.2	Extinguishing media to avoid	Water
5.3	Personal protective equipment	
5.4	Further information	not flammable

6	Accidental reissues measures	Sweep carefully together to minimise dust generation.
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7	Handling and storage	
7.1	Handling	Avoid dust build-up.
7.2	Industrial hygiene	Keep normal hygienic steps.
7.3	Storage	Store container dry. Shelf life: unlimited in stored container.
7.4	Place of storage	Store in a dry place
7.5	Fire- and explosion protection	

8	Exposure controls / personal protection	
8.1	Technical measures	
8.2	Control of threshold limits	
8.3	Personal protective equipment	
8.3.1	Respiratory protection	In dusty atmospheres, use an approved dust respirator.
8.3.2	Hand protection	Protective gloves.
8.3.3	Eye protection	Safety glasses.
8.3.4	Other	

9	Physical and chemical properties	
9.1	Appearance	solid
9.2	Color	red = dry / yellow-orange = wet
9.3	Odour	odourless
9.4	Change of physical state	Test method:
9.5	Density bulk density	700 – 800 kg/m ³
9.6	Vapour pressure	
9.7	Viscosity	
9.8	Solubility in water	(20 °C) practically Insoluble
9.9	pH	
9.10	Flash point	non-inflammable
9.11	Ignition temperature	non-inflammable

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9.12	Explosion limits	Lower: - vol.% Upper: - vol%	
9.13	Further information	Water content < 1.5%	
10	Stability and reactivity		
10.1	Thermal decomposition	None under standard conditions	
10.2	Hazardous decomposition products	None	
10.3	Hazardous reactions	Evolves considerable heat on contact with water.	
	Stability	The product is stable.	
10.4	Further information	On unloading used product, beware of any impurities and their dangers.	
11	Toxicological information		
11.1	Acute toxicity		
	Irritation / cauterisation	Eyes, skin, respiratory system	
11.2	Subacute / chronic toxicity		
11.3	Further information	The contents of the bag is an absorbant. Contact with the skin will dry it out. Heat is evolved on contact with water and it may cause burning. If the MAK-value (8 mg/m ³ as fine dust) is exceeded, then an overloading of the respiratory tract is likely.	
12	Ecological information	Category of water hazard	CH 1 D 2
		Toxicity to daphnia	
		Toxicity to fish	
		Biodegradability	
		Indication of danger	
13	Disposal considerations		
		The used product may have properties other than that of the fresh product. This Safety Datasheet can not give details about the used product. Which should be disposed of in an approved waste disposal site in accordance with the local rules and regulations.	
13.1	EC wast key	These codes are strictly industry-oriented and must therefore be assigned by the owner of the waste. We will be glad to assist our customers with the classification.	
13.2	Swiss waste code	3030 Especially with anorganic impurities	
13.3	Origin		
14	Transport information		
14.1	Transport at land:	RID / ADR	Class
	Warning label	Un-No.	Cipher
	Packing group		Kenier No.
	Overland statement		

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14.2	Transport at sea: UN-No. IMDG-code page EMS MFAG Sea transport statement		
14.3	Air transport: ICAO / IARA-DGR UN-No. PSN Subsidiary risk Labels Packing group Passenger aircraft Cargo aircraft only	Packing instruction Packing Instruction	max. max.
14.4	Further information	Product is not classified for any mode of transportation.	

15 Regulatory Information This product does not require classification according to the criteria of the "Gefahrstoffverordnung".

15.1	UN-No.	
15.2	Swiss toxicity class	
15.3	EC-No.	
15.4	EINECS-No.	
15.5	Hazard symbols	
15.6	Hazard designation	-
15.7	Risk phrases	R: -
15.8	Safety phrases	S: -
15.9	MAK value	6 mg/m ³ (1999)
15.10	CEA classification	F6 s PN2
15.11	VbF (D)	not flammable
15.12	Further information	

16 Other information

Abbreviations: n.a. = not applicable; n.d. = not determined;
n.cl. = not classified.

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The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not imply any guarantee of a property.

Alle vorstehenden Angaben entsprechen dem heutigen Stand unserer Kenntnisse und Erfahrungen. Das Sicherheitsdatenblatt dient der Beschreibung der Produkte im Hinblick auf Sicherheitserfordernisse. Diese Angaben stellen keine Zusicherungen von Eigenschaften dar.