

Material Safety Data Sheet

Ref: MS58

Last Revised: 30.06.04.

Section 1 Identification of the Substance/Preparation & Company

FirmaBond

Section 2 Composition/Information on Ingredients

Chemical characterisation MS Polymer based mixture with plasticisers, inorganic fillers and additives.

<u>Hazardous ingredients >1% And toxic ingredients >0.1%</u>	<u>CAS Number</u>	<u>Einecs Number</u>	<u>Weight %</u>	<u>Danger Symbol</u>	<u>Risk Phrases</u>
Vinyltrimethoxysilane	2768-02-07	220-449-8	1-5	Xn	10-20-38
Aminoethylaminopropyltrimethoxysilane	1760-24-3	217-164-6	0,1-1	Xi	36/38-43
Bis-(1,2,2,6,6-pentamethyl-1-piperidyl)sebacate	41558-26-7	255-437-1	0,1-1	Xi,N	43-50-53

Section 3 Hazards Identification

Potential health effects Contains Aminoethylaminopropyltrimethoxysilane and Bis-(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate. May produce an allergic reaction.

Section 4 First-Aid Measures

Eyes In case of contact flush eyes immediately with plenty of water for at least 15 minutes. Lift eyelids and rinse well underneath them. Get medical attention if irritation persists.

Mouth (ingestion) Rinse mouth with water several times. Consult a physician and show the Safety Data Sheet.

Lungs (inhalation) Fresh air and rest. Get medical attention if complaint persists.

Skin Remove completely with a dry cloth or paper towel, before washing with detergent and water. Get medical attention if irritation persists.

Clothes Remove polluted clothing.

Section 5 Fire-Fighting Measures

Suitable extinguishing media CO2, powder, foam and water spray.

Unsuitable extinguishing media Unknown.

Special fire fighting procedures Wear protective clothing and breathing apparatus.

Accidental Release Measures

Environmental precautions Keep away from drains and watercourses.

Clean up procedures Wipe, scrape or soak up in inert material and put in a container for disposal.

Personal precautions Wear proper protective equipment as described in the 'eye and skin protection' section of chapter 8.

Section 7 Handling and Storage

Handling Handle in well-ventilated area. Avoid contact with skin, eyes and do not swallow.

Storage Store in closed packing between 5°C and 25°C away from direct sunlight and other sources of heat.

Section 8 Exposure Control/Personal Protection

Occupational exposure limit Unknown

Respiratory protection Avoid breathing the vapour. Maintain good ventilation.

Eye and skin protection Avoid contact with skin and eyes. Wear safety glasses.

Industrial Hygiene When using do not eat, drink or smoke. Wash hands after work and before breaks. Don't rub eyes with dirty hands.

Section 9 Physical and Chemical Properties	
Physical state	Paste
Colour	Miscellaneous
Odour	Weak (kleur) (transparent)
Density (water=1)	1,54 g/ml 1,01 g/ml
PH (water=7)	Unk.
Boiling point (water=100)	Unk. °C
Freezing point (water=0)	Unk. °C
Flash point	Unk. °C
Lower explosion limit	Unk. Vol-%
Upper explosion limit	Unk. Vol-%
Ignition temperature	Unk. °C
Vapour pressure	Unk. Mbar
Mixable with water	No
Mixable with organic solvents	Partly
VOC-content	0 Weight-%

Section 10 Stability and Reactivity	
Hazardous decomposition products	In case of fire CO, CO2 and CaO are emitted
Materials to avoid	Unknown
Conditions to avoid	Unknown

Section 11 Toxicological Information		
<u>Product Information</u>	<u>Vinyltrimethoxysilane</u>	<u>Aminoethylaminopropyltrimethoxysilane</u>
Acute oral LD50 (mg/kg)	11300 (rat)	7460 (rat)
Acute dermal LD50 (mg/kg)	3540 (rabbit)	Unknown
Acute inhalation LC50 (mg/l)	Unknown	Unknown
Other information: Unknown		

Section 12 Ecological Information	
Avoid uncured product will come in the environment.	
Degradability	Unknown
Ecotoxicity	Unknown
WGK (Germany)	1

Section 13 Disposal Considerations	
Dispose in accordance with federal, state and local legalisation.	
Waste code uncured (Germany)	080402
Waste code cured (Germany)	080404

Section 14 Transport Information	
By sea according IMDG-Code	Not applicable.
By land according ADR	Not applicable.
By air according ICAO/IATA-DGR	Not applicable.
Un-number	Not applicable.
Proper shipping name	Not applicable.

Section 15 Regulatory Information	
To the labelling requirements of EC Directives 67/548/EC and 1999/45/EC	
Danger symbol	Not applicable
Contains	Contains Aminoethylaminopropyltrimethoxysilane and Bis-(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate. May produce an allergic reaction
R-phrases	Not applicable
S-phrases	Not applicable
For professional user	Safety Data Sheet available for professional user on request

Section 16**Other Information**

The recommended industrial and safe handling procedures are believed to be generally applicable, each user should review the recommendations in the specific context of the intended and determine whether they are appropriate.

N/A: Not applicable
Unk: Unknown

No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of any information contained within this Material Health and Safety Sheet since the customer's treatment of the product is necessarily out of control.