

Material Safety Data Sheet

According to 91/155 EEC

Printing date 04.04.2007

Reviewed on 21.03.2007

1 Identification of the substance/preparation and of the company/undertaking**Product details**Trade name Adexin HS 2

Safety data sheet no.: 49PD10096/16

Application of the substance / the preparation Sealer

Manufacturer/Supplier:

maxit France s.a.s
 4 rue de Mulhouse
 Boîte Postale 27
 F-68180 Horbourg-Wihr
 Tel.: ++33(0)3 89 20 10 80
 FAX: ++33(0)3 89 20 10 92

Information in case of emergency:

maxit France s.a.s
 Tel.: ++33(0)3 89 20 10 80

2 Composition/information on ingredients**Chemical characterization****Description:** Alkylsiliconresins with Alkoxygroups**Dangerous components:**

34396-03-7	Trimethoxy(2,4,4-trimethylpentyl)silan R 10-52/53	25 - 50%
67923-07-3	Polydimethylsiloxan,(((3-((2-aminoethyl)amino)propyl)silylidyne)tris(oxy)tris-,methoxy-terminiert  Xi; R 38-41	25 - 50%
64-19-7	acetic acid, of a concentration of more than  C; R 10-35	5 - 10%
78-10-4	tetraethyl orthosilicate  Xn,  Xi; R 10-20-36/37	5 - 10%
67-56-1	methanol  T,  F; R 11-23/24/25-39/23/24/25	0,1 - 1%

Additional information For the wording of the listed risk phrases refer to section 16.**3 Hazards identification****Hazard description:**

Xi Irritant

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 10 Flammable.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First aid measures

General information

Immediately remove any clothing soiled by the product.
Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

After inhalation Supply fresh air; consult doctor in case of complaints.

After skin contact

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).

After swallowing

Rinse out mouth with water. Do not induce vomiting. Seek medical attention and present this data sheet.

Information for doctor None

5 Fire fighting measures

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents Water with full jet

Special hazards caused by the substance, its products of combustion or resulting gases:

Nitrogen oxides (NO_x)

Protective equipment: Wear self-contained respiratory protective device.

Additional information Cool endangered receptacles with water spray.

6 Accidental release measures

Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources

Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
Ensure adequate ventilation.

Additional information: See Section 13 for disposal information.

7 Handling and storage

Handling

Information for safe handling:

Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.

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Prevent formation of aerosols.

Information about fire - and explosion protection:

Flammable gas-air mixtures may form in empty receptacles.

Use explosion-proof apparatus / fittings and spark-proof tools.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Storage**Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

Information about storage in one common storage facility:

Do not store together with acids.

Store away from oxidizing agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from humidity and water.

Protect from heat and direct sunlight.

Recommended storage temperature: 5-30°C.**8 Exposure controls and personal protection****Additional information about design of technical facilities:** No further data; see item 7.**Ingredients with limit values that require monitoring at the workplace:**

CAS No.	Designation of material	%	Type	Value	Unit
64-19-7 acetic acid, of a concentration of more than					
IOELV ()	25 mg/m ³ , 10 ppm				
67-56-1 methanol					
IOELV ()	260 mg/m ³ , 200 ppm				
	Skin				

Additional information:

Te applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

Personal protective equipment:**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not eat or drink while working.

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Use a moisturising skin cream after processing the product.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Short term filter device:

Filter AX.

Protection of hands:

Protective gloves.

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Butyl rubber, BR

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles**Body protection:** Protective work clothing.**9 Physical and chemical properties:****General Information**

Form:	Fluid
Colour:	Yellowish
Odour:	Weak, characteristic

Change in condition

Melting point/Melting range:	< -30°C (< -22°F)
Boiling point/Boiling range:	Undetermined.

Flash point: 25°C (77°F) (DIN ISO 2592)

Ignition temperature: 310°C (590°F)

Self-igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower:	Not determined
Upper:	Not determined

Density at 20°C (68°F): 0,95-0,97 g/cm³ (DIN 51757)

Bulk density: Not applicable.

Solubility in / Miscibility with

Water: Fully miscible

pH-value (500 g/l) at 25°C (77°F): 5,0-6,0 (DIN 19261)

Viscosity:

dynamic at 25°C (77°F):	1-10 mPas (DIN 51562)
kinematic:	Not determined.

Solvent separation test: Not determined

Additional information: None.

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10 Stability and reactivity**Thermal decomposition / Conditions to be avoided:**

No decomposition if used according to specifications.

Dangerous reactions:

Reacts with humid air.

Reacts with water

Dangerous decomposition products:

Methanol

Ethanol

11 Toxicological information**Acute toxicity:****LD/LC50 values relevant for classification:**

Components	Type	Value	Species
64-19-7 acetic acid, of a concentration of more than			
Oral	LD50	3310 mg/kg	(rat)
67-56-1 methanol			
Oral	LD50	13000 mg/kg	(rat)

Primary irritant effect:**on the skin:** Irritant to skin and mucous membranes.**on the eye:** Strong irritant with the danger of severe eye injury.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

12 Ecological information:**Information about elimination (persistence and degradability):****Evaluation text:** No data available.**Other information:** The product is easily biodegradable.**General notes:**

Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations**Product:****Recommendation**

After prior treatment product has to be landfilled or incinerated adhering to the regulations pertaining to the disposal of especially hazardous waste.

European waste catalogue

07 01 08 other still bottoms and reaction residues

Uncleaned packaging:**Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

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Recommended cleaning agent: Water, if necessary together with cleansing agents.

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14 Transport information**Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)****ADR/RID-GGVS/E Class:** 3 (F1) Flammable liquids.**Danger code (Kemler):** 30**UN-Number:** 1993**Packaging group:** III**Hazard label** 3**Description of goods:** 1993 FLAMMABLE LIQUID, N.O.S., special provision 640E (TETRAETHYL SILICATE, Trimethoxy(2,4,4-trimethylpentyl)silan)**Maritime transport IMDG/GGVSea:****IMDG/GGVSea Class:** 3**UN Number:** 1993**Label** 3**Packaging group:** III**EMS Number:** F-E,S-E**Marine pollutant:** No**Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (TETRAETHYL SILICATE, Trimethoxy(2,4,4-trimethylpentyl)silan)**Air transport ICAO-TI and IATA-DGR:****ICAO/IATA Class:** 3**UN/ID Number:** 1993**Label** 3**Packaging group:** III**Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (TETRAETHYL SILICATE, Trimethoxy(2,4,4-trimethylpentyl)silan)**15 Regulatory information****Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Observe the general safety regulations when handling chemicals.

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Code letter and hazard designation of product:

Xi Irritant

Risk phrases:

- 10 Flammable.
- 38 Irritating to skin.
- 41 Risk of serious damage to eyes.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

- 2 Keep out of the reach of children.
- 23 Do not breathe fumes/aerosol.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 28 After contact with skin, wash immediately with plenty of water.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- 46 If swallowed, seek medical advice immediately and show this container or label.

16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases

- 10 Flammable.
- 11 Highly flammable.
- 20 Harmful by inhalation.
- 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- 35 Causes severe burns.
- 36/37 Irritating to eyes and respiratory system.
- 38 Irritating to skin.
- 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
- 41 Risk of serious damage to eyes.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Department issuing MSDS: Product safety department**Contact:** Mr Gilles Weber, Tel.: ++33(0)3 89 20 10 93*** Data compared to the previous version altered.**