

Safety Data Sheet (91/155/EEC)**THIXOTROPIC ADDITIVE M.**

Version: 2.1 (GB)

Date of print: 12.09.03

Date of last alteration: 02.09.2002

CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA**1 Identification of the substance/preparation and company****1.1 Name of substance/preparation****Commercial product name:** THIXOTROPIC ADDITIVE M.**1.2 Use of substance / preparation:**Industrial.
Additive for: Elastomer products .**1.3 Company name****Manufacturer:** Wacker-Chemie GmbH
Street/POB-No.: Hanns-Seidel-Platz 4
State/postal code/city: D 81737 Munchen
Telephone: +4989627901
Telefax: +498677832356**Distributor:** Wacker Chemicals Australia Pty Ltd
Street/POB-No.: Unit 18 / 20 Duerdin Street
State/postal code/city: Clayton North Vic 3168
Telephone: +61 3 9541 8900
Telefax: +61 3 9541 8989**1.4 Emergency telephone number****Emergency Information** Regulatory Compliance +61 3 9541 8900
Manager
Emergency Information ADT Security - +61 3 9808 7363
Wacker Chemicals Spills (24 hours)**2 Composition/information on ingredients****2.1 Chemical characterization (preparation):****Chemical characteristics**

Polydimethylsiloxane, modified

2.2 Hazardous ingredients:

EINECS / ELINCS-No.	CAS No.	Material	Content %		Warning Label (EU)	
			from	until	Symbol	R-Phrases
	106214-80-6	Poly[3-(2-aminoethyl)aminopropyl]methylsiloxane, hydroxy-terminated		<10,0	Xi	36
		Cyclo[3-((2-aminoethyl)amino)propyl]methylsiloxane		<5,0	Xi	36
	119299-06-8	Polydimethylsiloxane, reaction products with N-(3-(Trimethoxysilyl)propyl)cyclohexanamine		<5,0	Xi	38-41

R-Phrase	Description
R36	Irritating to eyes.
R36	Irritating to eyes.
R38 R41	Irritating to skin. Risk of serious damage to eyes.

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3 Hazards identification**3.1 Classification:**

R-Phrase	Description
R36	Irritating to eyes.

3.2 Further hazards to man and environment:

Inhalation of aerosol spray may damage health.

4 First-aid measures**4.1 General information:**

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4.2 After inhalation:

Provide fresh air. In cases of sickness seek medical advice (show label if possible).

4.3 After contact with the skin:

Wash with plenty of water or water and soap. Seek medical advice in case of continuous irritation.

4.4 After contact with the eyes:

Rinse immediately with plenty of water for 10-15 minutes and seek medical advice.

4.5 After swallowing:

Induce drinking plenty of water in small portions. Do not induce vomiting. Seek medical advice immediately and produce the label or packaging.

5 Fire-fighting measures**5.1 Suitable extinguishing media:**

Use water spray (not stream) to fight fires. , extinguishing powder , foam , carbon dioxide .

5.2 Extinguishing media which must not be used for safety reasons:

halones , water jet .

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Hazardous decomposition products: nitric gases .

5.4 Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air.

6 Accidental release measures**6.1 Personal precautions:**

Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Avoid inhaling mists and vapours. If material is released indicate risk of slipping.

6.2 Environmental precautions:

Do not introduce into sewerage or in waters. Dam in any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

6.3 Methods for cleaning up:

Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a cold cleaner (e.g. water surfactant blend).

6.4 Further information:

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7 Handling and storage**7.0 General information:**

Stir well before use.

7.1 Handling**Precautions for safe handling:**

Avoid formation of aerosols. In the case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection). Avoid contact with acids. Spilled substance increases risk of slipping.

Precautions against fire and explosion:

Observe the general rules for fire prevention.

7.2 Storage**Conditions for storage rooms and vessels:**

Protect against light.

Advice for storage of incompatible materials:

not applicable

Further information for storage:

Keep container tightly closed and store in a well-ventilated place.

8 Exposure controls and personal protection equipment**8.1 Exposure limits****Further information:**

Maximum concentration at workplace recommended by producer: octamethylcyclotetrasiloxane (D4, CAS no. 556-67-2) = 10 ppm (123 mg/m³) .

8.2 Exposure limited and controlled**8.2.1 Exposure in the work place limited and controlled****General protection and hygiene measures:**

Avoid contact with eyes and skin. Do not eat, drink or smoke when handling. Do not inhale gases/vapours/aerosols.

Personal protection equipment**Respiratory protection:**

In accordance with instructions: not required . In case of aerosol- or mist formation use respiratory protection. combi filter A/P2 .

Hand protection:

rubber gloves .

Eye protection:

protective goggles .

8.2.2 Exposure to the environment limited and controlled:

Do not introduce into waters and into soil.

8.3 Further information for system design and engineering measures:

Observe information in section 7.

9 Physical and chemical properties**9.1 General information**

Physical state / form.....: liquid
Colour.....: opaque
Odour.....: ammonia like

9.2 Important information about the protection of health, safety and the environment

Flash point.....: 264 °C

Method
(67/548/EEC):
(ASTM D93)

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Autoignition temperature.....: 420 °C (DIN 51794)
Lower explosion limit (LEL).....: not applicable
Upper explosion limit (UEL).....: not applicable
Vapour pressure.....: < 3 hPa at 20 °C
Vapour pressure.....: < 10 hPa at 50 °C
Density.....: 1,01 g/cm³ at 25 °C
Water solubility / miscibility.....: virtually insoluble
pH-Value.....: not applicable
Viscosity (dynamic).....: approx. 300 mPa*s at 25 °C (DIN 51562)

9.3 Other information

Thermal decomposition.....: Decomposition begins at > 200 °C

10 Stability and reactivity**10.0 General information:**

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.1 Conditions to avoid:

none known

10.2 Materials to avoid:

Reacts with: acids . Reaction causes the formation of: heat .

10.3 Hazardous decomposition products:

If stored and handled in accordance with standard industrial practices and local regulations where applicable: none known . Measurements have shown the formation of small amounts of benzene at temperatures above about 180 °C (356 °F). Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

11 Toxicological information**11.0 General information:**

Note indications of danger and safety advice (R- and S-phrases) in section 15. Avoid inhalation!

11.1 Toxicological tests**Specific symptoms in animal test:**

By-product: Low molecular cyclic siloxanes with at least one silicon atom, which carries a methyl and a phenyl group, display oestrogen properties in animal test.

Further information:

Aerosols of aminofunctional siloxanes (from organic solutions or aqueous emulsions) may be dangerous to health after inhalation in animal tests.

11.3 Further toxicological information:

Classification based on ingredients: Irritates the eyes.

12 Ecological information**12.1 Ecotoxicity**

No data known.

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

Do not introduce large amounts into purification plants.

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12.2 Mobility

Absorbed by floating particles. Separation by sedimentation.

12.3 Persistence and degradability**Biodegradation / further information:**

Biologically not degradable.

Further information:

Elimination by adsorption in activated sludge.

12.4 Bio-accumulation potential**Further information:**

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12.5 Other harmful effects

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12.6 Further ecological information**General information:**

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13 Disposal considerations**13.1 Material****Recommendation:**

Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

13.2 Uncleaned packaging**Recommendation:**

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

14 Transport information**14.1 Land transport GGVSE/ADR and RID****Road ADR:**

Valuation.....: Not Regulated

Railway RID:

Valuation.....: Not Regulated

14.2 Inland navigation GGVBinsch/ADNR**14.3 Transport by sea GGVSee/IMDG-Code**

Valuation.....: Not Regulated

14.4 Air transport ICAO-TI/IATA-DGR

Valuation.....: Not Regulated

14.5 Transport/further information**Postal and courier service:**

German postal dispatch.....: 1000 ccm per container / 4000 ccm per package

Informing dept. ref. to heading 14. Transport information:

Department MW-G (Gefahrgut-Service), Telefax: +49/(0) 8677/83-5589, Telephone: +49/(0) 8677/83-4950

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15 Regulatory information**15.1 Warning Label (EU)**

	Xi	Irritant
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R-Phrase	Description
R36	Irritating to eyes.

S-Phrase	Description
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

15.2 National regulations:

SI 1999/3232:	CHIP Regulations 1999
SI 1999/437:	COSHH Regulations 1999
SI 1999/3242:	Management of Health & Safety at Work Regulations 1999
Health & Safety at Work Act 1974	
SI 1993/1643:	Environmental Protection Act 1993 & Subsidiary Regulations.
Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.	

16 Other information**16.1 Material**

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

16.2 Further information:

Commas appearing in numerical data denote a decimal point.

n.a. = not applicable	n.s. = not subject to
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Details of international registration status

Listed on the following inventories:

EINECS

AICS