

# SAFETY DATA SHEET

PMS 4 A-KOMP

Last changed: 20/05/2013

Replaces date: 18/09/2007

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name PMS 4 A-KOMP

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

RECOMMENDED USES: Joining agent (joint filler)  
Only for professional use.

### 1.3. Details of the supplier of the safety data sheet

#### NATIONAL MANUFACTURER/IMPORTER

Enterprise Zel-Aaren Innovation AB  
Address Östra Storgatan 40  
Postal code 694 31 Hallsberg  
Country Sweden  
Email info@zel-aaren.se  
Internet <http://www.zel-aaren.se/>  
Tel + 46 8-38 21 82

#### CONTACT PERSON

Name	Email	Tel	Country
Mats Selme	mats.selme@swedishnet.se	+46 70-628 85 61	Sweden

### 1.4. Emergency telephone number

Emergency Phone	Type of assistance	Opening Hours
112	ask for Poison Information	

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

DPD Classification: Xi; R36, R43

CLP Classification: Skin Sens. 1; H317, Eye Irrit. 2; H319

Most serious harmful effects:: May cause an allergic skin reaction.Causes serious eye irritation.

### 2.2. Label elements



Signal word: Warning

#### COMPOSITION

Ethoxylated, propoxylated ethylenediamine (20 - 30 %), Polypropylene glycol (20 - 30 %)

#### H-phrases

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

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### P-phrases

P363	Wash contaminated clothing before reuse.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P280	Wear protective gloves/eye protection.

### 2.3. Other hazards

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Ingredient name	Reg. no.	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
Ethoxylated, propoxylated ethylenediamine	01-2119471488-26	500-047-1	26316-40-5	20 - 30 %	Xi,R36 - R43	Eye Irrit. 2 H319 Skin Sens. 1 H317
Polypropylene glycol		500-039-8	25322-69-4	20 - 30 %	Xn,R22	Acute Tox. 4 H302

Full text of R-, H- and EUH-phrases: see section 16.

The EUH hazard statements mentioned in CLP-classification are only label elements.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### INHALATION

Fresh air and rest. Get medical attention if any discomfort continues.

#### INGESTION

Do not induce vomiting. Contact physician if larger quantity has been consumed. Apart from intentional ingestion, swallowing of major quantities is improbable. Thoroughly rinse the mouth with water.

#### SKIN

Remove contaminated clothing. Wash skin thoroughly with soap and water. Contact physician if irritation persists.

#### EYES

Make sure to remove any contact lenses from the eyes before rinsing. Hold eyelids apart. Immediately rinse with water for several minutes. Contact physician if irritation persists.

#### GENERAL

When obtaining medical advice, show the safety data sheet or label.

### 4.2. Most important symptoms and effects, both acute and delayed

Irritating to skin. Degreases the skin, which may cause dry skin or cracking of the skin and, on protracted or repeated contact, may cause eczema. Severe eye irritation. Splashing into the eyes may cause serious smarting/irritation. May cause allergic skin reaction.

### 4.3. Indication of any immediate medical attention and special treatment needed

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### SUITABLE EXTINGUISHING MEDIA:

Extinguishing agent: carbon dioxide, powder, alcohol-resistant foam, a wide water jet or water mist.

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## UNSUITABLE EXTINGUISHING MEDIA

Do not use a direct water jet that could spread the fire.

## 5.2. Special hazards arising from the substance or mixture

## 5.3. Advice for firefighters

Use compressed air breathing apparatus and protective clothing intended for fire fighting. Containers close to fire should be removed or cooled with water. Avoid breathing fire vapours.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### PERSONAL PRECAUTIONS

See section 8 for type of protective equipment. Ventilate well.

### 6.2. Environmental precautions

Prevent discharges into the sewage system, watercourses or ground.

### 6.3. Methods and material for containment and cleaning up

#### METHODS AND MATERIAL

Collect the spillage into suitable containers. Clean with a suitable cleaning agent. Stop leak if possible without risk.

### 6.4. Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

See section 8 for type of protective equipment. Wash your hands thoroughly after handling and before eating or smoking. Do not eat, drink or smoke when using this product. When mixing two components, consult the safety data sheets for both components.

### 7.2. Conditions for safe storage, including any incompatibilities

Store safely and keep out of reach of children. Keep container tightly closed, in a cool, well ventilated place. Not to be stored in direct sunlight. Keep in original container. Keep away from sources of ignition - No smoking. Keep away from food, drink and animal feedingstuffs. Store in a dry area.

### 7.3. Specific end use(s)

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### APPROPRIATE ENGINEERING CONTROLS

Facilities for eye rinsing must be available. Provide good ventilation.

#### EYE PROTECTION

Use tight-fitting face protection.

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### SKIN PROTECTION

Protective clothing if necessary.

### HAND PROTECTION

Use suitable protective gloves if risk of skin contact. (EN 374) Protective gloves (PVC).

### RESPIRATORY PROTECTION

If ventilation is insufficient, use a respirator with A/P2 filter. Check that mask fits tightly and change filter regularly.

### OTHER INFORMATION

Good personal hygiene is important. Wash your hands thoroughly after handling and before eating or smoking. Do not eat, drink or smoke during work.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>STATE</b>	Viscous liquid.
<b>COLOUR</b>	Black.
<b>ODOUR</b>	Weak.
<b>SOLUBILITY</b>	Organic solvents.
<b>SOLUBILITY IN WATER</b>	Partially soluble in water.

Parameter	Value/unit	Method/reference	Observation
pH (concentrate)	No data		
pH (solution for use)	No data		
Melting point	No data		
Freezing point	No data		
Initial boiling point and boiling range	No data		
Flash point	No data		
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	No data		
Vapour pressure	No data		
Vapour density	No data		
Relative density	No data		
Partition coefficient	No data		
Auto-ignition temperature	No data		
Decomposition temperature	No data		
Viscosity	No data		

### 9.2. Other information

Parameter	Value/unit	Method/reference	Observation
Density	1000 kg/m <sup>3</sup>		

Note no.	Comments

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No known data.

### 10.2. Chemical stability

Stable under recommended storage and handling conditions.

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### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

### 10.5. Incompatible materials

Avoid contact with strong oxidisers. Avoid contact with acids. Protect against moisture.

### 10.6. Hazardous decomposition products

No dangerous reactions known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

Apart from intentional ingestion, swallowing of major quantities is improbable. May be irritating in the mouth, gullet and gastrointestinal system. Ingestion may cause nausea, vomiting and diarrhoea.

#### Acute toxicity - dermal

Irritating to skin. Degrades the skin, which may cause dry skin or cracking of the skin and, on protracted or repeated contact, may cause eczema.

#### Serious eye damage/eye irritation

Splashing into the eyes may cause serious smarting/irritation. Severe eye irritation.

#### Respiratory sensitisation or skin sensitisation

May cause allergic skin reaction.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Polypropylene glycol

Route of exposure	Exposure time	Value/unit	Result	Species	Source	Test method
LC50 (Acute fish)		100 mg/l				

#### Ethoxylated, propoxylated ethylenediamine

Route of exposure	Exposure time	Value/unit	Result	Species	Source	Test method
NOEC	21d	> 10 mg/l		Daphnia		
NOEC	72h	> 100 mg/l		Algae		
EC50 (NOEC)	3h	> 10000 mg/l		Bakterie		
LC50 (Acute Daphnia)	48h	103 mg/l				
LC50 (Acute fish)	96h	25600 mg/l				

### ECOTOXICITY

Ecotoxicological information for the product is not available. Collection of data is ongoing.

### 12.2. Persistence and degradability

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The product is not readily biodegradable

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

Partially soluble in water.

### 12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

### 12.6. Other adverse effects

No information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### GENERAL REGULATIONS

Can be dumped as landfill or incinerated in accordance with local regulations. Unhardened product must be treated as dangerous waste. Mix with the hardener so that the product hardens. After curing the product is not classified as harmful waste.

## SECTION 14: Transport information

Classified as Dangerous Goods: **No**

### Land transport (ADR/RID)

14.1. UN number	Not applicable	14.4. Packing group	Not applicable
14.2. UN proper shipping name	Not applicable	14.5. Environmental hazards	Not applicable
14.3. Transport hazard class(es)	Not applicable		
Hazard label(s)	Not applicable		
Hazard identification number	Not applicable	Tunnel restriction code	Not applicable

### Inland water ways transport (ADN)

14.1. UN number	Not applicable	14.4. Packing group	Not applicable
14.2. UN proper shipping name	Not applicable	14.5. Environmental hazards	Not applicable
14.3. Transport hazard class(es)	Not applicable		
Hazard label(s)	Not applicable		
Environmental hazard in tank vessels	Not applicable		

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<b>Sea transport (IMDG)</b>			
<b>14.1. UN number</b>	Not applicable	<b>14.4. Packing group</b>	Not applicable
<b>14.2. UN proper shipping name</b>	Not applicable	<b>14.5. Environmental hazards</b>	Not applicable
<b>14.3. Transport hazard class(es)</b>	Not applicable		
<b>Hazard label(s)</b>	Not applicable		
<b>Sub Risk:</b>	Not applicable		
<b>IMDG Code segregation group</b>	Not applicable		
<b>Marine pollutant</b>	Not applicable		
<b>Substance name(s) on marine pollutant</b>	Not applicable		
<b>EMS:</b>	Not applicable		

<b>Air transport (ICAO-TI / IATA-DGR)</b>			
<b>14.1. UN number</b>	Not applicable	<b>14.4. Packing group</b>	Not applicable
<b>14.2. UN proper shipping name</b>	Not applicable		
<b>14.3. Transport hazard class(es)</b>	Not applicable		
<b>Hazard label(s)</b>	Not applicable		

**14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE**

Not applicable.

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**SECTION 15: Regulatory information**

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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

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**15.2. Chemical safety assessment**

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**OTHER INFORMATION**

A Chemical Safety Assessment has not been carried out.

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**SECTION 16: Other information**

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**ISSUED:** 20/05/2013

**VENDOR NOTES**

When mixing two components, consult the safety data sheets for both components. Read this Material Safety Data Sheet before use. Information given in this safety data sheet is in accordance with our information on the last revision date.

Changes have been done in section no: 1 - 16.

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### LIST OF RELEVANT R-PHRASES

R22	Harmful if swallowed.
R36	Irritating to eyes.
R43	May cause sensitisation by skin contact.

### LIST OF RELEVANT H-STATEMENTS

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.