

HEKAPUR Rigid Foam Component A

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

1.1. Product identifier

HEKAPUR Rigid Foam Component A (all versions)

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

Use of the substance/mixture

Polyol component for polyurethane manufacture

1.3. Details of the supplier of the safety data sheet

Company name: Exact Plastics GmbH
Street: Genossenschaftsstr. 12
Place: D-29356 Bröckel
Telephone: +49 (0) 5144 4955648 Telefax: +49 (0) 5144 4955649
Responsible Department: info@exact-plastics-gmbh.de

1.4. Emergency telephone number: Emergency telephone : +49 (0) 5144 4955648

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No.
1272/2008

Hazard categories:
Serious eye damage/eye irritation: Eye Irrit. 2
Hazard Statements:
Causes serious eye irritation.

2.2. Label elements

Regulation (EC) No.
1272/2008

Signal word: Warning



Pictograms:

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

None known

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization
Formulation of polyols

HEKAPUR Rigid Foam Component A

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
25214-63-5	Alkylaminopoly (oxyalkylen)-ol			20 - < 25 %
	500-035-6		01-2119471485-32	
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.

Further Information

There are no data available on the mixture itself.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.
In the event of persistent symptoms receive medical treatment.
Remove affected person from the danger area and lay down.

After inhalation

Move to fresh air in case of accidental inhalation of vapours.
In the event of persistent symptoms receive medical treatment.

After contact with skin

Wash with plenty of soap and water.
Treat subsequently with skin cream.
If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water.
Never give anything by mouth to an unconscious person or a person with cramps.
Call a physician immediately.
Do NOT induce vomiting.

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

There are no data available on the mixture itself.

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

There are no data available on the mixture itself.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:
Carbon monoxide, Carbon dioxide (CO₂)

5.3. Advice for firefighters

Protective clothing.
Use breathing apparatus with independent air supply.

Additional information

none

HEKAPUR Rigid Foam Component A

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In case of vapour formation use respirator.
Provide adequate ventilation.
Use personal protective clothing.
Keep away from sources of ignition - No smoking.

6.2. Environmental precautions

Clear contaminated areas thoroughly.
Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

none

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed.
Provide sufficient air exchange and/or exhaust in work rooms.
Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.
Protect against direct sunlight.

Further information on storage conditions

Keep away from food, drink and animal feedingstuffs. Do not expose to temperatures exceeding 50 °C/122 °F.

7.3. Specific end use(s)

There are no data available on the mixture itself.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
25214-63-5	Alkylaminopoly (oxyalkylen)-ol			
Worker DNEL, long-term		dermal	systemic	13,9 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	98 mg/m ³

HEKAPUR Rigid Foam Component A

PNEC values

CAS No	Substance	
	Environmental compartment	Value
25214-63-5	Alkylaminopoly (oxyalkylen)-ol	
	Freshwater	0,085 mg/l
	Marine water	0,0085 mg/l
	Freshwater sediment	0,074 mg/kg
	Marine sediment	0,0074 mg/kg
	Micro-organisms in sewage treatment plants (STP)	70 mg/l
	Soil	0,0162 mg/kg

Additional advice on limit values

There are no data available on the mixture itself.

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.
Provide appropriate exhaust ventilation at machinery.

Protective and hygiene measures

Do not inhale vapours.
Wash hands before breaks and after work.
Avoid contact with skin, eyes and clothes.
When using do not eat, drink or smoke.
Take off contaminated clothing and wash it before reuse.

Eye/face protection

Wear eye/face protection.

Hand protection

Chemical-resistant gloves (EN 374)
Suitable materials also for extended, direct contact (recommended: protection index 6, corresponding to a permeation rate > 480 minutes according to EN 374):
butyl rubber (Butyl) - = 0.7 mm thickness; i.e. < Butoject 898> made by KCL.
Nitrile rubber (Nitrile) - 0.4 mm thickness : i.e. < Camatril Velours 730> made by KCL.
Because of the great variety of glove types, the manufacturer's instructions for use must be adhered to. The data given refer to information from glove manufacturers or have been assessed by analogy to similar materials. It should be taken into consideration, that due to the great number of influential factors such as the temperature, the daily durability of chemicals resistant protective gloves may be considerably reduced in practice, compared to the permeation rate assessed according to EN 374.

Skin protection

Wear suitable protective clothing.
Safety Shoes

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.
If product is sprayed, use fresh-air breathing apparatus or (only short-term use) a combination filter A2-P2.

Environmental exposure controls

There are no data available on the mixture itself.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: beige
Odour: not determined
pH-Value: not determined

Changes in the physical state

Melting point: not determined

HEKAPUR Rigid Foam Component A

Initial boiling point and boiling range: > 300 °C

Flash point: > 100 °C

Flammability

Solid: not applicable

Gas: not applicable

Explosive properties

Product does not present an explosion hazard.

Lower explosion limits: not determined

Upper explosion limits: not determined

Ignition temperature: > 300 °C

Decomposition temperature: not determined

Oxidizing properties

not applicable

Vapour pressure: not determined

Density: 0,99 - 1,03 g/cm³

Water solubility: not determined

Partition coefficient: not determined

Viscosity / dynamic:
(at 20 °C) 1.500 - 3.000 mPa·s

Flow time: not determined

Vapour density: not determined

9.2. Other information

There are no data available on the mixture itself.

SECTION 10: Stability and reactivity

10.1. Reactivity

Exothermic reaction with: Isocyanate

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

There are no data available on the mixture itself.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

There are no data available on the mixture itself.

10.6. Hazardous decomposition products

The product is stable under storage at normal ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

HEKAPUR Rigid Foam Component A

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
25214-63-5	Alkylaminopoly (oxyalkylen)-ol				
	oral	LD50 > 2000 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rat		

Irritation and corrosivity

Causes serious eye irritation.
 Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

There are no data available on the mixture itself.

Additional information on tests

There are no data available on the mixture itself.

Practical experience

Observations relevant to classification

There are no data available on the mixture itself.

Other observations

There are no data available on the mixture itself.

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
25214-63-5	Alkylaminopoly (oxyalkylen)-ol					
	Acute fish toxicity	LC50 4600 mg/l	96 h	Leuciscus idus (golden orfe)		
	Acute algae toxicity	ErC50 150,67 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna (Big water flea)		
	Acute bacteria toxicity	(700 mg/l)	3 h	Activated sludge		

12.2. Persistence and degradability

There are no data available on the mixture itself.

HEKAPUR Rigid Foam Component A

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
25214-63-5	Alkylaminopoly (oxyalkylen)-ol			
	67/548/EWG, Anh V, C.4.D	9%	28	
	Poorly biodegradable.			
	Biodegradable (OECD): 302 B	36 %	28	
	i.e. not inherently degradable			

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

There are no data available on the mixture itself.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

It is not possible to give this product a waste code number according to the European waste catalogue because only the intended use of the user consents the assignment of a specific code number.

The waste code number must be agreed with the disposer / manufacturer / competent authority.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

Non-contaminated packages may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

HEKAPUR Rigid Foam Component A

14.6. Special precautions for user

Keep away from food, drink and animal feedingstuffs.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

There are no data available on the mixture itself.

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

This product does not contain substances of very high concern > 0,1% (Regulation (EC) No 1907/2006 (REACH), Article 57).

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Alkylaminopoly (oxyalkylen)-ol

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s) 11

Relevant H and EUH statements (number and full text)

H319 Causes serious eye irritation.

Further Information

The classification is based on the calculation method according to Regulation (EU) No. 1272/2008

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

Key literature references and sources for data: Regulation (EC) No 1907/2006; Regulation (EC) No. 1272/2008

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)