



BECHEM
LUBRICATION
TECHNOLOGY

Page 1/4

Safety Data Sheet
acc. to US-OSHA HCS

Printing date 09/01/2020

version 8

Reviewed on 03/25/2020

*** 1 Identification**

Product identifier

Trade name: Berucoat AK 978

Relevant identified uses:

Lubricant

Coating

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

CARL BECHEM GMBH

Weststraße 120

58089 Hagen, Germany

Phone +49 2331 935-0

Fax +49 2331 935-1199

Email: bechem@bechem.de

http://www.bechem.com

Information department: product safety department : ps@bechem.com

Emergency telephone number:

National Chemical Emergency Centre (NCEC)

+1 215 207 0061 (regional)

+44 1865 407333 (international)

Code: 9100039

2 Hazard(s) identification

Classification of the substance or mixture

The product is not classified as hazardous, according to the Globally Harmonized System (GHS).

Label elements

GHS label elements Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Classification system

NFPA ratings (scale 0-4)

Health = 0

Fire = 1

Reactivity = 0

HMIS ratings (scale 0-4)

Health = 0

Fire = 1

Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Preparation of polymeres and additives in water.

Dangerous components: Void

4 First-aid measures

Description of first aid measures

After inhalation Supply fresh air.

After skin contact Immediately wash with water and soap and rinse thoroughly.

After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing Seek medical treatment.

Information for doctor

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

(Contd. on page 2)

Trade name: **Berucoat AK 978**

(Contd. of page 1)

5 Fire-fighting measures**Extinguishing media****Suitable extinguishing agents**

CO₂, extinguishing 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 arising from the substance or mixture No further relevant information available.

Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

6 Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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.

7 Handling and storage**Handling****Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

No special measures required.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities**Storage**

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions: Protect from frost.

Recommended storage temperature: Room temperature

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters**Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls**Personal protective equipment****General protective and hygienic measures**

The usual precautionary measures should be adhered to when handling the lubricant.

Breathing equipment: Not required.

Protection of hands: Protective gloves.

Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 1 mm

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.

For the mixture of chemicals mentioned below the penetration time has to be at least ≥ 60 minutes (Permeation according to EN 374 Part 3: Level 3).

Not suitable are gloves made of the following materials:

Leather gloves

Strong gloves

Eye protection: Safety glasses

Body protection: Protective work clothing.

(Contd. on page 3)

Trade name: **Berucoat AK 978**

(Contd. of page 2)

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid
Color: white-grey
Odor: neutrally

pH-value at 20 °C (68 °F): 7.0

Change in condition

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

Flash point: Not applicable

Ignition temperature: Not determined

Danger of explosion: Not determined

Density at 20 °C (68 °F): 1.0 - 1.05 g/cm³ (8.345 - 8.76225 lbs/gal)

Solubility in / Miscibility with

Water: Fully miscible

Viscosity:

kinematic at 20 °C (68 °F): 14 - 16 s
acc.to ISO 2431/4

Other information No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions None in case of appropriate storage, handling and transport

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: None in case of appropriate storage/handling/transport.

11 Toxicological information

Information on toxicological effects

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

Primary irritant effect:

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

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

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

Additional toxicological information:

Carcinogenic categories

NTP (National Toxicology Program)

50-00-0 formaldehyde

K

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

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

(Contd. on page 4)

Trade name: **Berucoat AK 978**

(Contd. of page 3)

14 Transport information

UN-Number	
DOT, ADR, ADN, IMDG, IATA	none
UN proper shipping name	
DOT, ADN, IMDG, IATA	none
ADR	none
Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA	
Class	none
Packing group	
DOT, ADR, IMDG, IATA	none
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

15 Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****SARA Section 355 (extremely hazardous substances)**

None of the ingredients is listed.

SARA Section 313 (specific toxic chemical listings)

None of the ingredients is listed.

TSCA (Toxic Substances Control Act)

All ingredients are listed.

Hazardous Air Pollutants

None of the ingredients is listed.

Prop 65 - Chemicals known to cause cancer

None of the ingredients is listed.

Prop 65 - Chemicals known to cause reproductive toxicity

None of the ingredients is listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**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.

Only for industrial use

Department issuing SDS: product safety department**Contact:** ps@bechem.com**Date of preparation / last revision** 09/01/2020 / 7**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

*** Data compared to the previous version altered.**