Safety Data Sheet
Polymin® SK

1. Product and Company Identification

Use: retentive / fixing agent

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

Chemical family: Polymer, in water

2. Hazards Identification

Emergency overview

Use with local exhaust ventilation.
Wear full face shield if splashing hazard exists.
Wear suitable protective clothing, gloves and eye/face protection.

State of matter: liquid
Colour: yellowish
Odour: product specific

Potential health effects

Primary routes of exposure:
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Potential environmental effects

Aquatic toxicity:
Acutely harmful for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Degradation / environmental fate:
Not readily biodegradable (by OECD criteria). Poorly biodegradable.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical name</th>
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4. First-Aid Measures

**General advice:**
Remove contaminated clothing.

**If inhaled:**
Keep patient calm, remove to fresh air. Assist in breathing if necessary. Seek medical attention if necessary.

**If on skin:**
Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

**If in eyes:**
Flush with copious amounts of water for at least 15 minutes. Hold eyelids open to facilitate rinsing. If irritation develops, seek medical attention.

**If swallowed:**
Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

**Note to physician**
Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

**Flash point:** > 100 °C (DIN 51758)

**Autoignition:** 380 °C (DIN 51794)

**Self-ignition temperature:** not self-igniting

**Suitable extinguishing media:**
- water spray
- dry powder
- foam
- carbon dioxide

**Hazards during fire-fighting:**
No particular hazards known.

**Protective equipment for fire-fighting:**
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

6. Accidental release measures

**Personal precautions:**
Use personal protective clothing.

**Environmental precautions:**
Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

**Cleanup:**
Spills should be contained, solidified, and placed in suitable containers for disposal.
7. Handling and Storage

Handling

General advice:
Ensure thorough ventilation of stores and work areas. Wear suitable gloves and eye/face protection.

Protection against fire and explosion:
No special precautions necessary.

Storage

General advice:
Keep container tightly closed and dry; store in a cool place.

Storage stability:
Storage temperature: <= 35 °C

8. Exposure Controls and Personal Protection

Advice on system design:
Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection:
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

Hand protection:
Chemical resistant protective gloves, rubber, plastic

Eye protection:
Safety glasses with side-shields.

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.

9. Physical and Chemical Properties

Form: liquid
Odour: product specific
Colour: yellowish
pH value: 7.8 - 8.7 (DIN 19268) (measured with the undiluted substance)
Solidification temperature: approx. -5 °C
Boiling point: approx. 100 °C
Density: approx. 1.06 g/cm³ (DIN EN ISO 2555)
Viscosity, dynamic: 500 - 1,000 mPa.s (DIN EN ISO 2555)

Solubility in water:
Soluble

10. Stability and Reactivity

Substances to avoid:
No substances known that should be avoided.

Hazardous reactions:
No hazardous reactions if stored and handled as prescribed/indicated.
Decomposition products:
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Corrosion to metals:
No corrosive effect on metal.

Oxidizing properties:
not fire-propagating

11. Toxicological information

Acute toxicity

Oral:
Type of value: LD50
Species: rat (male/female)
Value: 13,400 mg/kg (BASF-Test)

Irritation / corrosion

Skin:
Species: rabbit
Result: non-irritant
Method: Draize test

Eye:
Species: rabbit
Result: non-irritant
Method: Draize test

12. Ecological Information

Fish

Acute:
OECD 203; ISO 7346; 92/69/EEC, C.1 static
Brachydanio rerio/LC50 (96 h): 33 mg/l
Nominal concentration.

Aquatic invertebrates

Acute:
OECD Guideline 202, part 1 static
Daphnia magna/EC50 (48 h): 19.8 mg/l
Nominal concentration.

Microorganisms

Toxicity to microorganisms:
OECD Guideline 209 aerobic
activated sludge/EC20 (30 min): 100 - 1,000 mg/l

Degradability / Persistence

Biological / Abiological Degradation
Test method: OECD Guideline 301 F (aerobic)
Method of analysis: BOD of the ThOD
Degree of elimination: < 10 % (29 d)

Other adverse effects:
Do not allow to enter soil, waterways or waste water channels.

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### 13. Disposal considerations

**Waste disposal of substance:**
Incinerate or dispose of in a licensed facility. Do not discharge into drains/surface waters/groundwater.

**Container disposal:**
Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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### 14. Transport Information

#### Land transport
**USDOT**
Not classified as a dangerous good under transport regulations

#### Sea transport
**IMDG**
Not classified as a dangerous good under transport regulations

#### Air transport
**IATA/ICAO**
Not classified as a dangerous good under transport regulations

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### 15. Regulatory Information

#### Federal Regulations

**Registration status:**
Chemical TSCA, US released / listed

**OSHA hazard category:**
Not hazardous;

**EPCRA 311/312 (Hazard categories):**
Not hazardous;

#### State regulations

**State RTK**
CAS Number
Chemical name
NJ, PA, MA
NJTS-50292-NVE

**CA Prop. 65:**
THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.
16. Other Information

**NFPA Hazard codes:**
- Health: 1
- Fire: 1
- Reactivity: 0
- Special:

**HMIS III rating**
- Health: 1
- Flammability: 1
- Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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**MSDS Prepared by:**
BASF NA Product Regulations
msds@basf.com
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