



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

Trade name	Bermocoll E 320 G
Supplier	Akzo Nobel Surface Chemistry AB SE 444 85 Stenungsund SWEDEN Tel: +46 303 850 00 Fax: +46 303 813 06
Emergency telephone	+ 31 570679211 (Fax: +31 570679801) Akzo Nobel Chemicals, Deventer, NL

2. COMPOSITION/INFORMATION ON INGREDIENTS

This product is to be considered as a substance according to EU-legislation.

Chemical description/Application Polymer

Substance name	CAS number	Concentration	Symbols	Risk phrases
Ethylhydroxyethyl cellulose	9004-58-4		-	

Other information All components are registered in EINECS (polymer).

3. HAZARDS IDENTIFICATION

Not classified as dangerous according to EEC Dangerous Substance Directive and Dangerous Preparation Directive.

4. FIRST AID MEASURES

Inhalation	Fresh air and rest.
Skin	Rinse with water.
Eyes	Immediately rinse with water for several minutes. Seek medical advice if symptoms appears.
Ingestion	Drink a few glasses of water or milk. Contact physician if larger quantity has been consumed (show this Safety Data Sheet).

5. FIRE FIGHTING MEASURES

Extinguishing media	Powder, foam or carbon dioxide.
Unusual fire hazards	High concentrations of dust may form explosive mixture with air.
Hazardous combustion products	Not known.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	For personal protection see Section 8.
Environmental precautions	Prevent discharge of larger quantities to drain or water courses.
Methods for cleaning up	Place in container for disposal according to local regulations.

7. HANDLING AND STORAGE

Handling	Avoid handling which leads to dust formation.
Storage	No specific storage precautions noted.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

Comments * Recommended by the producer.

Comments

Comments

OES = EH40/99 Occupational Exposure Limits 1999.

Dust 4 mg/m³ OES.

Engineering controls Mechanical ventilation or local exhaust ventilation may be required.

Personal protection

Respiratory

If ventilation is insufficient, suitable respiratory protection must be provided. Wear mask supplied with: Dust filter P2 (for fine dust).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder. Granules.	
Colour	White.	
Odour	-	
Boiling point/range (°C)	-	Pressure (kPa)
Melting point/range (°C)	-	
Flash point (°C)	> 150	Method
Autoignition temperature (°C)	> 150	
Lower explosion limit (vol %)	-	
Upper explosion limit (vol %)	-	
Vapour pressure	-	Temperature (°C)
Relative vapour density (air=1)	-	
Density (kg/m³)	-	Temperature (°C)
Bulk density (kg/m³)	-	
Viscosity	-	Temperature (°C)
pH value	-	

pH value diluted solution	5-8	Conc. (%)	1
Solubility in water	Soluble, gel formation.		
Solubility in other solvents	-		
Partition coefficient (log Pow)	-		

(These data are typical for the product and not a specification)

10. STABILITY AND REACTIVITY

Stability	Normally stable.
Hazardous decomposition products	Not known.

11. TOXICOLOGICAL INFORMATION

Toxicological data

	LD50. oral rat > 10000 mg/kg
Irritation	Skin irritation test (rabbit): Mildly irritating.
Sensitization	(Magnusson-Kligman): Not sensitizing.
Health effects	
Respiratory	Inhalation of large quantity of dust may cause irritation of nose, throat and airway.
Skin	Slightly irritating.
Eyes	Slightly irritating.
Ingestion	Very low acute toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicological data

	LC50 96 hours fish > 100 mg/l
Degradation	Not readily biodegradable.
Partition coefficient (log Pow)	-

13. DISPOSAL CONSIDERATIONS

Disposal methods	Incineration is recommended. Dispose of in accordance with local authority requirements.
-------------------------	--

14. TRANSPORT INFORMATION

Land transport

UN number	-	RID-class	-
------------------	---	------------------	---

ADR class	-	RID item	-
ADR item	-		
Sea transport			
UN number	-	EmS	-
IMDG class	-	MFAG	-
IMDG packing group	-	Marine pollutant	-
Air transport			
UN number	-	Subsidiary risk	-
IATA/ICAO class	-	Packing group	-

15. REGULATORY INFORMATION

Substance name	Ethylhydroxyethyl cellulose
Symbols	
EU directive	Safety Data Sheet according to EC-directive 93/112/EEC.
Other information	Not classified as dangerous according to EEC Dangerous Substance Directive and Dangerous Preparation Directive.

16. OTHER INFORMATION

This information only concerns the above mentioned product as supplied and may not be valid if used with other product(s) or in any process. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

Composed by	Ann-Christin Borg Christina Persson
Date of printing	2000-08-30