1. Identification of the substance/preparation and company

Identification of the substance or preparation	: Commercial Product Name : **SEAL-ALL®**
Company/undertaking identification	: **POLYTECHNISCH BEDRIJF BVBA** Industriepark-Zwijnaarde 6 9052 GENT-Zwijnaarde (Belgium) Tel : +32 9 221 11 16 Fax : +32 9 221 85 01

2. Composition/information on ingredients

Chemical characterization (preparation) :
Description : Polymeric dispersion of polymers in water.
Contains no substances presenting a health hazard.

3. Hazards identification

Critical hazards to man and environment : omitted

4. First-aid measures

General information	: ---
After inhalation	: no special measures required
After contact with the skin	: immediately rinse with plenty of soap and water
After contact with the eyes	: rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.
After swallowing	: Rinse immediately with plenty of water

5. Fire-fighting measures

General information :
Product does not burn. Use extinguishing measures appropriate to the source of the fire.
Suitable extinguishing media : -
Extinguishing media which must not be used for safety reasons : -
Special exposure hazards arising from the substance or preparation itself, combustion products,
resulting gases :
Hazardous combustion products : hydrogen chloride
Special protective equipment for fire fighting :

voor POLYTECHNISCH BEDRIJF bvba
De Directeur

BVBA POLYTECHNISCH BEDRIJF SPRL
COMPAKTUNA
Industriepark - Zwijnaarde 6
9052 ZWIJNAARDE - BELGIUM
Tel. 09 221 11 16 Fax 09 221 85 01

6. Accidental release measures

Personal precautions	:	see section 8.
Environmental precautions	:	observe local bye-laws.
Methods for cleaning up	:	absorb mechanically and dispose of according to regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to regulations. Dilute with plenty of water and dispose of accordingly.

7. Handling and storage

General information	:	no special protective measures required.
Handling	:	no special precautions against fire and explosion required.
Storage	:	protect against frost.

8. Exposure controls/personal protection

Further information for system design and engineering measures :
Associate substances with specific control parameters such as limit values : ---
Personal protection equipment :

- General protection and hygiene measures : do not eat or drink when handling.
- Respiratory protection : not required.
- Hand protection : recommended.
- Eye protection : goggles giving full protection.
- Skin protection : not required.

9. Physical and chemical properties

Appearance	: form : liquid colour : white odour : mild
Safety parameters	:
Change in physical state	: ---
Melting point	: omitted
Boiling point	: 100 °C at 1013 hPa
Flash point	: omitted
Inflammability	: ---
Ignition temperature	: omitted
Autoflammability	: ---
Oxidizing properties	: ---
Explosive properties	: ---
Explosion limits	: omitted
Vapour pressure	: 23 hPa at 20 °C
Density	: 1.08 g/cm3 at hPa 20 °C
Solubility in water	: completely miscible
pH -value	: approx. 5 at 20 °C
Partition coefficient octanol/water	:
Viscosity	: approx. 2500 mPa.s at 23 °C
Further information	:
Thermal decomposition	: omitted

10. Stability and reactivity

General information	: if stored and handled in accordance with standard industrial practices no hazardous reactions are known.
Conditions to avoid	: frost.
Materials to avoid	: ---
Hazardous decomposition products	: if stored and handled in accordance with standard industrial practices and local regulations where applicable : none known.

11. Toxicological information

Rat oral LD50 (mg/kg)	:	> 5000
Rabbit dermal LD50 (mg/kg)	:	> 5000
Rat inhalation LC50 (ml/m³)	:	non established
Dermal irritation (rabbit)	:	72 h : maximum 2 mildly irritant (mean irritation score)
Symptoms related to use	:	headache
- Inhalation	:	nausea sore throat in case of inhalation of small quantities, no important effect observed.
- Skin contact	:	prolonged contacts may cause skin irritation especially cuts, scratches or abrasions or if contact with contaminated clothes. elementary hygienic precautions will avoid these risks. mildly irritant the components of this product may be considered not to be essentially toxic during normal handling.
- Eye contact	:	irritant to eyes and skin.

12. Ecological information

Information on elimination (persistence and degradability) : no data known.

Behaviour in environmental compartiments	: no date known
Ecotoxicological effects	: no likelihood of damaging effect on water organisms. Effects in sewage treatment plants (bacteria toxicity : respiration-/reproduction inhibition) : According to current experience no damaging effect on water purification plants after adaptation expected.
Further ecological information	: Product not investigated. Do not introduce into water ways and into soil. Only introduce into water purification plants in diluted state. The chlorine containing polymer is bounded to the activated sludge during biological purification. No environmental problems expected if handled and treated in accordance with standard industrial practices and local regulations where applicable.

13. Disposal considerations

Material :
Recommendation : dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of in a domestic waste incinerator. Observe local bye-laws. The chlorine containing particles of the dispersions registered in AOX analyses can be precipitated to a great extent by chemical deflocculating. After chemical deflocculating : can be stored with domestic waste. Obverse local bye-laws.
Contaminated packaging :
Recommendation : Completely discharge containers (no tear drop, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/national bye-laws.

14. Notes on transport

Land transport ADR/RID and GGVS/GGVE : ---
GGVS/GGVE : non-hazardous material
ADR/RID : non-hazardous material
Inland navigation ADN/ADNR : ---
Transport by sea IMDG/GGVsea : ---
IMDG/GGVsea-class : non-hazardous material
Air transport ICAO-TI and IATA-DGR : ---
ICAO/IATA-class : non-hazardous material

15. Regulatory information

Identification according to EEC directives : EEC/R : ---
EEC/S : ---

National regulations : national and local measures relating to the workplace, pollution control, environmental protection and waste control.

16. Other information

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.