

SWELLGEL

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IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Information

Product Name: SwellGel

COMPANY: Glowcroft Ltd, Williamsport Way, Lion Barn Industrial Estate, Needham Market, Suffolk IP6 8RW, Telephone: 01449 723330, Fax: 01449 723675

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterisation:

Chemical Name: Anionic Polyacrylamide

Chemical formula: Polymer

Common Name: SwellGel

CAS No.: 390-690-9

Hazard Classification: 0

Risks (R-phrases) none

HAZARDS IDENTIFICATION

No hazard rating. Not listed as hazardous for shipment by land, sea or air

FIRST AID MEASURES

Eye contact: Rinse with much water for a prolonged time. If ill effects occur seek medical advice.

Skin contact: Wash with water and soap. Take off contaminated clothing.

Ingestion: If ill effects occur seek medical advice immediately.

FIRE-FIGHTING MEASURES

Specific hazards during fire: In case of fire carbon monoxide, fighting nitrogen oxides

Special protective equipment: Self contained positive pressure for fire fighters breathing apparatus, goggles, gloves, overalls and boots.

Suitable extinguishing media: Water mist, foam, carbon dioxide, dry powder. Avoid using water as product becomes very slippery when wet.

ACCIDENTAL RELEASE MEASURES

Personal precautions: Spilled product in contact with water or moisture causes surfaces to become extremely slippery. If slipperiness remains, apply dry sweeping compound.

Environmental precautions : Collect and flush small residuals with much water into the drain for subsequent biological waste effluent treatment.

HANDLING AND STORAGE

Handling

Safe handling advice: Use respiratory protection when exceeding limit (see Personal Protection) and dust is formed. Ensure sufficient workplace ventilation.

Advice on protection against: No special requirements fire and explosion

Storage

Requirements for storage: Do not use iron, copper or aluminium containers areas and containers or equipment

EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Control parameters: UK HSE EH40

Exposure controls: 10mg/m³ 8-hour TWA total inhalable dust 4mg/m³ 8-hour TWA respirable dust

Personal protection equipment

Respiratory protection: Dust mask in dusty atmospheres (disposable EN149 FFP2S).

Hand protection: Gloves

Eye protection: Protective goggles or safety glasses

Skin protection: Overalls and boots

PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: Powder

Particle size: 200 – 2000 µm

Colour : off white

Odour: odourless

Other data

Fusing temperature: Not applicable

Starts to boil at: Not applicable

Flash point: Not applicable

Ignition temperature : Not determined

Upper explosion limit: Not applicable

Vapour pressure: <20 hPa at 20.0 °C

Bulk density: 650 kg/m³

Water solubility: at 20.0 °C Essentially insoluble. Swells

pH: 7.75 at 1.0 g/l

Viscosity, dynamic: at 20.0 °C Not applicable

STABILITY AND REACTIVITY

Thermal decomposition: >200 °C Stable under usual application conditions

TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD50 Dose: >5000 mg/kg Limit test

Acute dermal toxicity: LD50 Dose: >2000 mg/kg Limit test

Skin irritation : Rabbit Method: OECD Nr. 404, Not irritative to the skin

Eye irritation : Rabbit Method: OECD Nr. 405 Not irritative

Sensitisation : No sensitisation

ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability: Result: Not rapidly degradable under aerobic conditions.

Ciliate toxicity: EC50 *Tetrahymena pyriformis* 6000 mg/l: Exposure time: 24.00 h

Bacterial toxicity: EC50 *Ps. Putida* 8000 mg/l: Exposure time: 24.00 h Method: DEV L 8

Fish toxicity: LC50 *Leuciscus idus* ~ 3600 mg/l: Exposure time: 96.00 h Method: OECD Nr 203

Fish toxicity: LC50 *Brachydanio rerio* ~ 5000 mg/l: Exposure time: 96.00 h Method: OECD Nr. 203

DISPOSAL CONSIDERATIONS

Product: Dispose of whilst observing local legal regulations, e.g. in a suitable incineration plant.

Contaminated packaging: Undamaged packaging may be responsibly reused after proper cleaning.

TRANSPORT INFORMATION

Further information: Not restricted according to transport regulations.

REGULATORY INFORMATION

Labelling according to EEC Directive

General advice: not subject to compulsory marking

Symbol: none required

Risk phrases : none

Safety phrases: S82 – Spills are slippery when wet

OTHER INFORMATION

Residual monomers : acrylamide < 0.02%

Residual monomers : Acrylic acid < 0.06%

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