



GSL DRILPOL

Material Safety Data Sheet (MSDS)

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/ UNDERTAKING

Product name: GSL DRILPOL

Supplier: Marton Geotechnical Services Ltd (Geothermal Supplies Division)

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2. COMPOSITION/INFORMATION ON INGREDIENTS.

Anionic polyacrylamide suspension in a water-in-oil emulsion

3. HAZARDS IDENTIFICATION

xi - Irritant - irritating to eyes and skin

Very slippery when wet! – clean up spills immediately

4. FIRST AID MEASURES

General: If you feel unwell, seek medical advice, and show this information if possible

Inhalation: If mists or sprays are inhaled, remove casualty to fresh air and clear any blocked airways. Keep the casualty at rest. Give oxygen in case of breathing difficulty. Seek medical advice.

Skin Contact: Wash affected area with clean water. Seek medical health if irritation persists. Replace contaminated clothing.

Eye contact: Irrigate the eye with water or eye wash solution for 10-15 minutes. If irritation persists seek medical attention.

Ingestion: Seek medical help immediately if swallowed. Do not give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use water spray, carbon dioxide or dry chemical.

Protective Equipment: Firefighters, and others exposed, wear self-contained breathing apparatus. Wear full firefighting protective clothing. See MSDS Section 8 (Exposure Controls/Personal Protection).

Special Hazards: Keep containers cool by spraying with water if exposed to fire.



6. ACCIDENTAL RELEASE MEASURES

Use personal protective equipment. Product May cause slip hazard. Absorb large spillages with sand or any suitable medium. Dispose of according to local authority guidelines. Small spillages may be flushed away with water. Avoid washings entering water courses.

7. HANDLING AND STORAGE

Avoid skin and eye contact.

Do not use iron, copper or aluminium containers or equipment.

Avoid extremes of temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hand Protection:	Wear suitable gloves.
Eye Protection:	Wear goggles
Skin Protection:	Wear suitable overalls.
Respiratory protection:	Not normally required

Product contains mineral oil.

Petroleum distillate hydrotreated light 64742-47-8

Maximum exposure level, skin: [MAK (Maximale Arbeitsplatzkonzentration)]: 1000 mg/m³

Engineering measures:	Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure.
Respiratory protection:	Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure.
Eye protection:	Wear eye/face protection such as chemical splash proof goggles or face shield. Eyewash equipment and safety shower should be provided in areas of potential exposure.
Skin Protection:	Avoid skin contact. Wear impermeable gloves and suitable protective clothing.
Additional advice:	Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White viscous liquid
ODOUR:	Slight ammonia
pH:	6-8 in dilution in water
BOILING POINT:	~100 °C Aqueous Phase
MELTING POINT:	not applicable



9. PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

FLASH POINT: > 100 °C closed cup
VAPOUR DENSITY: similar to water
RELATIVE DENSITY: 1.03
SOLUBILITY IN WATER: Limited by viscosity

10. STABILITY AND REACTIVITY.

Conditions to avoid: Extremes of temperature
Materials to avoid: Strong acids
Hazardous decomposition products: No decomposition if stored normally.

11. TOXICOLOGICAL INFORMATION

Skin contact: Not considered toxic by skin contact.
Eye contact: Risk of persistent effects in the eye.

12. ECOLOGICAL INFORMATION

Degradability : Not readily biodegradable
Bioconcentration risk: 0
Water hazard class (as supplied): WGK 2
Water hazard class (as diluted for use): WGK 1

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. In the UK disposal may be made to a licensed treatment/disposal site in accordance with the provisions of "The Environmental Protection Act 1990" as updated.

14. TRANSPORT INFORMATION

UK road/rail Not classified as dangerous in the meaning of transport regulations.
IMDG Not classified as dangerous in the meaning of transport regulations.
ICAO Not classified as dangerous in the meaning of transport regulations.
ADR Not Classified as dangerous in the meaning of transport regulations.

15 REGULATORY INFORMATION

Labelling according to the criteria of EEC Directive 88/379/EEC.
Symbol: xi-irritant
R-PHRASES:
36/38: Irritating to eyes and skin
S-PHRASES
26: In case of contact with eyes, rinse immediately with water and seek medical advice
81: Spills are very slippery



15 REGULATORY INFORMATION (Cont.)

Inventory status:

European Union (EU):

All components of this product are included on the European Inventory of Existing Chemical Substances (EINECS) or are not required to be listed on EINECS.

United States (USA):

All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

Canada:

All components of this product are included on the Domestic Substances List (DSL) or are not required to be listed on the DSL.

Australia: All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on AICS.

China: All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.

Japan: All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese inventory.

Korea: All components of this product are included on the Korean (ECL) inventory or are not required to be listed on the Korean inventory.

Philippines: All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine inventory.

16. OTHER INFORMATION

Recommended use: Soil conditioning additive for mechanised tunneling

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief but is offered without guarantee or assumption of any liability and does not constitute or replace the user's own assessment of workplace risk, e.g. COSHH, as required by other health and safety legislation.