

“Tvel” Ltd.

36014, Ukraine, Poltava,

Petra Doroshenka Str. 57

01.03.2021

SAFETY CERTIFICATE

1. Product and manufacturer identification

Product name: Cool GEL
Product: cooling gel for drilling
Manufacturer: “Tvel” Ltd.
36014, Ukraine, Poltava,
Petra Doroshenka Str. 57
Phone: +38050305 77 11

2. Composition / Information about components Concentration of main components%

1. Demineralized water 94% - 96%
Other components: thickener, complexing agent, neutralizer and other additives in the amount <3%

3. Identification of health hazards

- not classified as hazardous
- does not contain carcinogens

Eyes hazard

Under normal conditions of use, no side effects are expected. May cause mild temporary irritation on direct contact with the eyes.

Skin hazard

Under normal conditions of use, side effects are not expected. Continuous contact does not cause skin irritation. A single prolonged exposure is unlikely to result in absorption of the material through the skin.

Health hazard: ingestion

With normal handling of food in small quantities, side effects are not expected.

Health hazard: inhalation

Under normal conditions of use, side effects are not expected.

4. First aid measures:

Eyes

Rinse immediately with plenty of water for several minutes with eyes open. If the pain is not disappear, consult a doctor.

Skin contact.

Rinse with water.

Ingestion

If large quantities of the product are swallowed, consult a doctor.

Inhalation

No special measures are required.

Information for the doctor

Symptoms of treatment.

5. Fire-fighting measures

Fire prevention methods: the product is non-flammable. In case of fire, use appropriate fire-fighting equipment to extinguish other products.

Special exposure hazard: the bottles are made of polyethylene, so if fire it can give off toxic fumes. Use water jet, dry chemical powder, dry foam, carbon dioxide.

Protective Equipment: wear full protective clothing and self-contained breathing apparatus.

6. Measures for accidental release

Human Precautions: in case of strong ejection, use an anti-slip shoes.

Environmental precautions: no special measures required

Cleaning up measures: wipe with a cloth for small quantities. In case of large quantities, collect and return to a container for disposal and rinse with water.

7. Handling and storage

Unused packaging must be tightly closed.

Warehouse and packaging requirements: no special requirements. Optimum storage temperature between 5° and 25°C away from direct sunlight.

Mixed Storage Requirements: None.

8. Exposure controls / personal protective equipment

Components whose limit value must be monitored in work areas: Product does not contain the corresponding quantities of the substance, the limit value of which should controlled in the work area.

Personal Protective Measures: Use normal protective equipment when working with chemicals products.

Protective mask: not required.

Protective gloves: not required. When using nitrile gloves.

Safety glasses: not needed. However, they should be used to avoid accidental exposure.

Protective overalls: normal working clothes.

9. Physical and chemical properties

- Appearance - gel
- Color light blue
- Smell odorless to faint
- pH 6.5±1
- Boiling point 100°C
- Steam pressure is the same as water
- Flash point - no

- No self-ignition
- Viscosity 63,000 / 87,000 cps slightly oxidizing
- Oxidizing properties
- Self-ignition temperature - no
- Explosive properties - no
- Solubility in water

10. Stability and reactivity

Stability: stable

Conditions to Avoid: extreme temperatures

Dangerous reactions: no

Hazardous Decomposition Products: none under normal conditions of use.

11. Toxicological Information

Acute toxicity:

-

Additional toxicological information:

The product does not contain carcinogenic and/or mutagenic agents.

In our experience and available information, the product does not pose a hazard when properly handling.

In accordance with the Community General Directive on the classification of methods for calculating chemical preparations, the product does not require classification.

12. Environmental Information

No research has been done. However, given the composition of the product, it can be considered non-hazardous to environment.

13. Recommendations

for recycling. Waste disposal method must comply with applicable national laws and local regulations.

Polyethylene bottles should be disposed of as non-hazardous waste.

14. Transport Information

Road and rail transport ADR / RID e GGVS / GGVE (via national border):

• Class ADR / RID - GGVS / E: -

Road transport declaration –

Sea transport IMDG / GGV See:

• IMDG/GGV class See:-

Marine pollutant: no

Maritime transport declaration –

Air transport ICAO - TI e IATA - DGR:

• ICAO / IATA class: -

Air transport declaration –

Additional Information:

Not dangerous goods

Keep away from foodstuffs

15. Information about the rules

In accordance with the Community General Directive on the classification of methods for calculating chemical drugs, the product does not need to be classified.

Attention directive (S phrase)

56 - Dispose of products and containers in statutory special waste collection point sheet in accordance with the regulation of 7th September 2002 "Recognize from 2001/58 / EC on measures and Information on Hazardous Substances and Commodities in Trade".

16. Additional Information

The purpose of this sheet is to describe the product in terms of safety requirements. Information, contained in this sheet is based on our current knowledge and experience and does not provide any warranty regarding the characteristics of the product provided for by the warranty law. Current rules and laws must be observed by the user under his own responsibility.

Director

"Tvel" Ltd.



V. Topolya