

MSDS in accordance with 91/155/EC

1. Identification of the substance/preparation and company

Trade Name : UNICOL GEL

Application Area : Hand disinfection

Identification of the company :

Name : UNICEM KİMYA SANAYİ VE TİCARET LTD. ŞTİ.

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2. Composition/Information on ingredients

Isopropylalcohol (CAS# 67-63-0)	73-78% ,
Cocodiethanolamid	< 1.0%,
alkyldimethilammoniumchloride	< 1.0%
Thickening agent	< 1.0%

3. Hazards Identification



Flammable (F)

R10 - Flammable. R22 - Harmful if swallowed. R36 - Irritating to eyes. R38 - Irritating to skin.

4. First aid measures

INGESTION • Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing.

- DO NOT INDUCE VOMITING.
- Have victim drink about 250ml (8fl. oz.) of water to dilute material in stomach.
- If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
- Seek medical assistance.

SKIN • Flush contaminated area with water for at least 20 minutes.

- Remove contaminated clothing under running water.
- Completely decontaminate clothing before re-use, or discard.
- If irritation occurs seek medical attention.

INHALATION • Remove victim to fresh air.

• Artificial respiration should be given if breathing has stopped and cardiopulmonary resuscitation if heart has stopped.

- Oxygen may be given if necessary.
- Seek medical attention immediately.

EYES • Immediately flush eyes with water for at least 20 minutes, holding the eyelids open.

- Seek medical attention immediately.

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5. Fire-fighting measures

The product contains isopropylalcohol at a ratio of %75. There is risk of fire when contacted with source of heat or flame.

Extinguishing media : Dry chemical, carbondioxide, water and alcohol resistant foam.

Fire fighting procedure : Move containers from fire area if safely action is possible, and spray plenty of water on containers until well after fire is out. Flames in fire area are extinguished with spraying plenty of water on, and spreading water onto floor. Avoid inhaling vapor during extinguishing.

6. Accidental release measures

Small spills : Shut off ignition sources. Collect spill with an absorbent material or wash out by water. Ventilate the area.

Large spills : Shut off ignition and heat sources. Dike far ahead of spill for disposal. No smoking, flames or flares in spill area. Ventilate the area. Wear appropriate protective cloths for action. Dilute spill by applying plenty of water. The diluted spill is taken up and deposit into sealed containers or moved to drain.

7. Handling and storage

Handling : Keep the container away from heat or ignition sources. Ventilate the area well where the product is used.

Storage : Keep in a cool and dry place. No heat and ignition sources are allowed in the storage area. Store in a well ventilated area. Containers must be kept tightly closed. Do not stock more than two on top of each other.

Storage stability : Shelf-life: 3 years.

8. Exposure controls / personal protection

Exposure controls : Since opening of the container is small, ignorable level of isopropylalcohol vapor may occur. However, the area where the product is used must be ventilated.

Personal protection : Not irritant at short contacts with skin. Appropriate gloves must be worn for long term contacts.

Wash your hands before breaks and after work.

Take off soiled or soaked clothes immediately.

9. Physical and chemical properties

Physical form : Slightly viscous liquid.

Colour : Cloudy, colourless as characteristics.

Odour : smell of alcohol characteristically.

Density : 0.85 – 0.90.

Boiling Point : 82°C.

Freezing Point : -26°C.

Flash Point : 21°C.

Autoignition Temperature : 399°C (of pure isopropyl alcohol)

pH : 6,0 - 8,0.

Solubility : Soluble in water.

10. Stability and reactivity

Chemical stability : Stable under normal conditions.

Reactivity : No chemical reactivity is known.

Risk of decomposition : No risk of decomposition is known.

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11. Toxicological information

Acute oral toxicity	: It is unlikely to swallow in large quantities due to its odour. However, it is toxic in case of swallowed in large quantities.
Acute dermal toxicity	: None.
Irritant effect on skin	: May be irritant at long period of contacts.
Irritant effect on eyes	: Irritant.

12. Ecological information

Biodegradability	: Biodegradable.
Ecological toxicity	: a very low level toxic effect may occur.

13. Disposal considerations

Collect the bulk by an absorbent material and place into a sealed container, and wash out the remaining. It can be emptied into drains.

14. Transportation Data

- ADR/RID : Class 3 Packaging Group: 2
- UN Number : 1219 Hazchem code 2
- ICAO/IATA : Class 3; Label 3 Packaging Group: 2
- IMDG/GGV : Code 3100 – Packaging Group: 3; Marine Pollutant: No
Class 3 Flammable Liquid Group: 2

15. Regulatory information

Labelling in accordance with EC Directives: Flammable liquid.

Hazard symbols:



Flammable (F)

Dangerous component: isopropylalcohol (CAS# 67-63-0; ratio: %70)

R phrases: R10 - Flammable. R22- Harmful if swallowed. R36/38-Irritating to eyes and skin

S phrases: S2 - Keep out of the reach of children. S9 - Keep container in a well-ventilated area. S16 - Keep away from sources of ignition. S21 - When using do not smoke. S24 - Avoid contact with skin. S25 - Avoid contact with eyes. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37 - Wear suitable gloves.

16. Other information

The data is based on our current level of knowledge, and are intended to describe the product with regard to the requirements of safety. This given data should not be taken to imply any guarantee of a particular or general specifications. It is the responsibility of the user of the product to ensure to his satisfaction that the product is suitable for the intended purpose and method of use. We do not accept responsibility for any harm that may be caused by the use of this information. In all cases, our general conditions of sale is applied.