

MSDS in accordance with 91/155/EC

1. Identification of the substance/preparation and company

Trade Name : UNISTAIN G
Application Area : Laundry Hygiene
Identification of the company :
Name : UNICEM KİMYA SANAYİ VE TİCARET LTD. ŞTİ.
Address: Dudullu OSB, Kadosan B 5-7, Ümraniye/İSTANBUL
Phone : +90 216 415 60 65
e-mail : unichem@unichem.com.tr
emergency phone : +90 216 415 60 65

2. Composition/Information on ingredients

Nonionic Surfactants 5-15%; 2-Butoxyethanol 15-30%; Trichloroethylene > 50%

3. Hazards Identification



Xi – Irritant



T- Toxic

R45- May cause cancer, R36/38- Irritating to eyes and skin, R52/53- Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

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.

- 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.

5. Fire-fighting measures

Extinguishing Media: Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unusual Fire & Explosion Hazards: Solvent vapours may form explosive mixtures with air.

Specific Hazards: Hydrogen chloride (HCl). Phosgene (COCl₂).

Protective Measures in Fire: Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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6. Accidental release measures

Personal Precautions: Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Avoid inhalation of spray mist and contact with skin and eyes. Provide adequate ventilation.

Environmental Precautions: Spillages or uncontrolled discharges into watercourses must be immediately alerted to the Environmental Agency or other appropriate regulatory body.

Spill Clean Up Methods: Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7. Handling and storage

Precautions: Avoid spilling, skin and eye contact. Keep the container away from heat or ignition sources. Ventilate the area well where the product is used. Keep locked up. Avoid contact with eyes and skin.

Storage: Keep container in a cool, dry and well ventilated area.

Storage stability : Shelf-life is 3 years.

8. Exposure controls / personal protection

Exposure controls: Since opening of the container is small, ignorable level of trichloroethylene 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 : Mobile liquid.

Colour : Transparent.

Odour : Characteristics, trichloroethylene smell.

Density : 1.10 – 1.15

Boiling Point : 87°C.

Freezing Point: <-70°C.

pH : 7.5 – 8.5.

Solubility : Dispersible in water.

10. Stability and reactivity

Chemical stability : Stable under normal conditions.

Conditions to Avoid : Avoid heat, flames and other sources of ignition.

Materials to Avoid : Strong alkalis

Hazardous Decomposition Products : Hydrogen chloride (HCL) and Phosgene (COCL₂)

11. Toxicological information

Acute Toxicity: Harmful if swallowed.

Chronic Effects: None known.

LD50: Oral rat 7193 mg/kg (trichloroethylen)

Other Toxic Effects: Carcinogen, Mutagen, Toxic, Possible Teratogen

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12. Ecological information

Biodegradability: The product is not readily biodegradeable (>50%).

13. Disposal considerations

Waste Disposal: Waste has to be treated as controlled waste. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transportation Data

- **ADR/RID** : Class 6 Packing Group: 3
- **UN Number** : 1710 Hazchem code: 2
- **ICAO/IATA** : Class 6 Packing Group: 3
- **IMDG/GGV** : Class 6 Packing Group: 3 Marine Pollutant: No
- **Proper Shipping Name:** Trichloroethylene

15. Regulatory information

- **Classification according to EC rules:**
- **Labelling in accordance with EC Directives:**



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- **R Phrases** : R45- May cause cancer, R36/38- Irritating to eyes and skin, R52/53- Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment
- **S Phrases** : S25– Avoid contact with eyes. S26- In case with contact with eyes, rinse immediately with plenty of water and seek medical advice. S45- In case of accident or if you fell unwell, seek medical advise immediately (show label where possible), S53- Avoid exposure - obtain special instructions before use.

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.