



WTW Safety Data Sheet
According to EC Directives 91/155/EEC

1. Identification of the substance/preparation and of the company/undertaking

Product name:

Kal.-Std 10000 NTU IR

Ord. No.: 600 544
Model: Kal.-Std 10000 NTU IR

Manufacturer:

WTW Wissenschaftlich-Technische Werkstättenm GmbH, Dr.-Karl-Slevogt-Straße 1, D-82362 Weilheim, Germany, Tel.: (0881) 183-0, Fax.: (0881) 62539

Emergency telephone:
(001)-703-527-3887

2. Composition/information on ingredients

Chemical characterization: Aqueous solution

Hazardous ingredients: Sodium azide and Triton X-100 or
Sodium azide and Dodecyl sulfate sodium salt

Sodium azide	Dodecyl sulfate sodium salt
<i>Hazard symbols:</i> very toxic (T+)	<i>Hazard symbol:</i> harmful (Xn)
<i>R-phrases:</i> 28-32-50/53	<i>R-phrases:</i> 22-36/38
<i>Content:</i> < 0,025 %	<i>Content:</i> < 0,02 %
<i>CAS-No.:</i> 26628-22-8	<i>CAS-No.:</i> 151-21-3
<i>EINECS-No.:</i> 247-852-1	<i>EC-No.:</i> 205-788-1

Triton X-100
Hazard symbol: harmful (Xn)
R-phrases: 22-41
Content: < 0,02 %
CAS-No.: 9002-93-1
EINECS-No.: /

3. Hazards identification

No hazardous product

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4. First aid measures

<i>After inhalation:</i>	Fresh air
<i>After skin contact:</i>	Wash off with plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention immediately.
<i>After eye contact:</i>	Rinse out with plenty of water for at least 15 minutes. Held the eyelid wide open. Summon eye specialist.
<i>After ingestion:</i>	Make injured person drink plenty of water, induce vomiting, summon doctor immediately. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

<i>Suitable extinguishing media:</i>	Water, powder, foam and carbondioxide
<i>Unsuitable extinguishing media:</i>	No information available
<i>Special risks:</i>	None
<i>Other information:</i>	Non combustible

6. Accidental release measures

<i>Personal-related precautionary measures:</i>	Avoid generation of aerosols. Avoid substance contact.
<i>Environmental-protection measures:</i>	Do not allow to enter sewerage system.
<i>Procedures for cleaning/absorption:</i>	Take up with liquid-absorbent material. Forward for disposal. Clean up effected area with water.

7. Handling and storage

<i>Handling:</i>	Do not open containers for no apparent reason. If containers are opened, the value of the standard is not longer valid. Do not shake. Shaking induces air bubbles and increases turbidity.
<i>Storage:</i>	Store away from extremes in temperature. Prevent from freezing. Freezing causes flocculation.

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8. Exposure control/personal protection

Specific control parameters: MAK Germany (max. workplace conc.): 0,2 mg/m³ for sodium azide

Personal protective equipment

Respiratory protection: Required when aerosols are generated.

Eye protection: Protective glasses

Hand protection: Gloves

Industrial hygiene: Wash hands and face after working with solution.
Change contaminated clothing.
Do not eat, drink and smoke at workplace.

9. Physical and chemical properties

Form: liquid

Colour: colourless

Odour: odourless

pH-value / 25°C

Melting temperature: 0°C

Boiling temperature: 100°C

Ignition temperature: / °C

Flash point: / °C

Explosion limite lower: /

upper: /

Density: 1,00 g/cm³

Solubility in water: miscible

Thermal decomposition: /

10. Stability and reactivity

Conditions to be avoided: No extremes in temperature

Substances to be avoided: No acids,
No ions of heavy metals (Generation of precipitations is possible. These are explosive in dry state.)

Hazardous decomposition products: None

Further information: None

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11. Toxicological information

- Acute toxicity:* LD 50 (oral, rat): 27 mg/kg for sodium azide
- Further toxicological information:* No teratogenic effect in animal experiments.
After inhalation of aerosols and substance contact: Irritation effects in the respiratory tract and of eyes and skin.
After ingestion: Nausea, vomiting, headache, restlessness, and diarrhea.

12. Ecological information

- Ecotoxic effects:* Do not allow to enter sewerage system.
No ecological problems are to be expected when the product is handled and used with due care and attention.

13. Disposal considerations

- Products:* There are no uniform regulations for the disposal of chemicals or residues. The disposal is regulated through corresponding regional laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose the special waste.
- Packaging:* Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, noncontaminated packaging may be treated like household waste or recycled.

14. Transport information

Not subject to transport regulations.

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15. Regulatory information

Labelling according to EC directives

Symbol: No hazardous product

R-phrases: /

S-phrases: /

German regulations

Water pollution class; nonpolluting substance

Regulation on combustible liquids; VbF: Non combustible

Other regulations: None

16. Other informatio

Date of issue: 26.3.2004

Supersedes edition of First edition

Reason for alteration: First edition

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.