

Material Safety Data Sheet
According to 91/155/EC

Printing date: 18/6/2004

Revised on 08.12.95

Tegeral

1. Identification of substance- **Trade name:** Tegeral

- **Manufacturer / Supplier:**
TEGEE-CHEMIE BREMEN GmbH
Bergedorfer Str. 6-8
D - 28219 Bremen

Phone: + 49 421 389970

- **Informing department:** R & D

- **Emergency information:** During normal opening times: + 49 421 38997-60 (61,62)
At other times: + 49 4242 8186

2. Composition /Data on Components- **Chemical characterization:**

Description (acc. to EC recommendation):

< 5% amphoteric Tensides / < 5% phosphates

Further ingredients: silicates, coloring agents, fragrances.

Hazardous substances:

<u>CAS-no.</u>	<u>Description</u>	<u>%</u>	<u>Symb.</u>	<u>R-phrase</u>
5064-31-3	Trisodiumnitrilotriacetate	1-5	Xn	22-36

3. Hazards identification- **Hazards designation:** Not applicable- **Information pertaining to particular dangers for man and environment:**

Water hazard class: WGK 1 - Minor hazard to water

4. First aid measures- **General information:** Water should be available when handling the concentrate.- **After inhaling:** Do not inhale spraying mists ! In case of inhaling spraying mist, provide for fresh air supply ! In case of pertaining cough seek medical attention.- **After skin contact:** Wash thoroughly with plenty of water !- **After eye contact:** Rinse opened eyes under running water for several minutes.- **After swallowing:** Drink plenty of water and seek medical attention ! Do not induce vomiting !**5. Fire and explosion hazard**

not applicable

- **Extinguishing media:**- **Extinguishing media not suited for safety reasons:**- **Special protecting equipment:**

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9. Physical and chemical data

- Physical state:	Liquid
- Color:	Colorless / Yellowish-clear
- Odor:	Neutral
- Melting point / range:	approx. 0 °C
- Boiling point / range:	100 °C
- Flash point:	n.a.
- Ignition temperature:	n.a.
- Autoignition:	n.a.
- Explosion hazard:	n.a.
- Inflammability limits in air.:	n.a.
- Vapor pressure:	n.d.
- Density:	1,06 kg/Ltr.
- Solubility in / miscibility with water:	Miscible with water in all proportions.
- pH-Value: (conc.)	approx. 11,3
- Viscosity:	n.a.
- Solvent contents:	
Organic solvents:	none

10. Stability and reactivity

- **Conditions to be avoided:** *Mixing with acid products adversely affects product efficiency due to neutralization reaction.*
- **Harardous decomposition products:** *In case of fire: Carbonmonoxide and Carbondioxide.*

11. Toxicological data

- **Acute toxicity:**
Irritant on contact with skin, eyes or mucous membranes.
- **Classification-relevant LD/LC50-values**
n.d..

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12. Ecological information**- General information:**

Do not allow concentrate to enter into open waters or the sewage system.

Biodegradability of tensides exceeds legal requirements.

The product is free from organically bound halogens.

WGK 1 - Minor hazard to water

13. Disposal information

- Product: *Minor quantities may be diluted with water and rinsed off. Major quantities have to be disposed of according to local governmental regulations.*

- Waste code: *52402*

- Uncleaned packages: *Reusable when cleaned with water.*

14. Transport classification**General information**

UN-no.:

Street an rail transport

GGVS/ADR:

GGVE/RID:

Transport by sea vessels

IMDG-Code:

Marine Pollutant:

Transport by Airplanes

ICAO/IATA-DGR:

15. Regulations

- Labeling according to EC directive: *38/379/EC*

- Danger symbol and classification: *Not applicable*

- Dangerous component: *Not applicable*

16. Miscellaneous:

n.a. = not applicable

n.d. = not determined