

MATERIAL SAFETY DATA SHEET**Product Name:** Tetrabutyl ammonium hydroxide 0.1 N in water **CAS No.:** 2052-49-5**Version: 0****1. Identification**

Product Code : 91758
Company Name : Advent Chembio Private Limited
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2. Hazards Identification**Hazard classification**

Corrosive to metals : Category 1
Skin corrosion : Category 1 A

Labels elements

Hazard symbol



Signal word : Danger
Hazard statement : Causes severe skin burns and eye damage.
Precautionary statement : Wear protective gloves/ protective clothing/ eye protection/ face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Supplemental Hazard Statements : None

3. Composition/information on ingredients

Ingredient : NA
CAS No. : 2052-49-5
Normality : 0.1±0.005N
Formula : $(\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2)_4\text{N}(\text{OH})$

MATERIAL SAFETY DATA SHEET**Product Name:** Tetrabutyl ammonium hydroxide 0.1 N in water **CAS No.:** 2052-49-5 **Version:** 0**Molecular Weight** : 259.47g/mol**4. First Aid Measures****Description of first aid measures**

- General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance.
- Inhalation** : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- Skin contact** : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
- Eye contact** : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Swallowed** : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- Most important symptoms and effects, both acute and delayed** : The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
- Indication of any immediate medical attention and special treatment needed Treatment** : No data available

5. Fire fighting measures**Extinguishing media**

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Special hazards arising from the substance or mixture** : Carbon oxides, Nitrogen oxides (NO_x)
- Advice for firefighters** : Wear self contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
- Environmental precautions** : Do not let product enter drains.
- Methods and materials for containment and cleaning up** : Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for

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disposal.

7. Handling and storage

- Precautions for safe handling** : Avoid inhalation of vapour or mist.
Conditions for safe storage, including any incompatibilities : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls / Personal Protection

- Exposure limit** : No data available
Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment
Respiratory protection : Air-purifying respirators
Hand protection : Handle with gloves
Eye protection : Safety glasses
Skin and Body Protection : Lab coat.

9. Physical and Chemical Properties

- Appearance** : A clear, colourless to light yellow liquid.
Odor : No data available
pH : No data available
Melting point/freezing point : No data available
Initial boiling point and boiling range : No data available
Flash Point : No data available
Vapor pressure : No data available
Vapor density : No data available
Relative density : No data available
Solubility in water : No data available
Solubility (other) : No data available

10. Stability and Reactivity

- Reactivity** : No data available
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : No data available
Conditions to avoid : No data available
Incompatible materials : Strong acids, Corrodes metal
Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)

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11. Toxicological Information

Information on toxicological effects

- Acute toxicity** : No data available
- Skin corrosion/irritation** : No data available
- Serious eye damage/eye irritation** : No data available
- Respiratory or skin sensitization** : No data available
- Germ cell mutagenicity** : No data available
- Carcinogenicity**
- IARC** : No data available
- NTP** : No data available
- OSHA** : No data available
- Reproductive toxicity** : No data available
- Route of Exposure** : No data available
- Signs and Symptoms of Exposure** : No data available

12. Ecological Information

- Toxicity** : No data available
- Persistence and degradability** : No data available
- Bioaccumulative potential** : No data available
- Mobility in soil** : No data available.
- Other adverse effects** : No data available.

13. Disposal consideration

- Disposal instructions** : Offer surplus and non-recyclable solutions to a licensed disposal company.
- Contaminated packaging** : Dispose of as unused product.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	II	NO

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		(Tetrabutylammonium hydroxide)			
IMDG	3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Tetrabutylammonium hydroxide)	8	II	NO
IATA	3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Tetrabutylammonium hydroxide)	8	II	NO

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date :06/11/2017****Version : 0**

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