

# OTTO CHEMIE PVT LTD

An ISO 9001 : 2015 & GMP Certified Company  
101, Aarkay Ruby Industrial Estate (1B), Opp Shree Narayan Industrial Estate,  
Chinchpada, Vasai East, Waliv, Maharashtra 401208. Tel : + 91 98200 41841  
Email : [info@ottokemi.com](mailto:info@ottokemi.com) Web : [www.ottokemi.com](http://www.ottokemi.com)

## MATERIAL SAFETY DATA SHEET (MSDS)

### SECTION 1. Product identifiers

Product name: Buffer Solution pH 10.0

Product Code: B 2507

1.2. Relevant identified uses of the substance or mixture and uses advised against  
Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification

OTTO CHEMIE PVT LTD

101, Aarkay Ruby Industrial Estate(1B), Opp Shree Narayan Industrial Estate,  
Chinchpada, Vasai East, Waliv, Maharashtra 401208.

Email [info@ottokemi.com](mailto:info@ottokemi.com)

1.4. Emergency telephone number

Phone no. : + 91 22 2207 0099 (9:00am - 6:00 pm)

### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Directive 67/548/EEC or 1999/45/EC

No labelling applicable

2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Water	(CAS-No.) 7732-18-5	>= 99	Not classified	Not classified
Disodium tetraborate decahydrate; borax decahydrate substance listed as REACH Candidate (Disodium tetraborate, anhydrous)	(CAS-No.) 1303-96-4	0.01 - 1	Repr.Cat.2; R60 Repr.Cat.2; R61	Repr. 1B, H360F Repr. 1B, H360D
Toluene	(CAS-No.) 108-88-3	0.01 - 1	Repr.Cat.3; R63 F; R11 Xn; R65 Xn; R48/20 Xi; R38 R67	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Repr. 2, H361d Skin Irrit. 2, H315 STOT SE 3, H335 STOT RE 2, H373 STOT SE 3, H336
Sodium Hydroxide	(CAS-No.) 1310-73-2	0.01 - 1	C; R35	Skin Corr. 1A, H314

Full text of R- and H-statements: see section 16

### SECTION 4: First aid measures

4.1. Description of first aid measures

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First-aid measures general : IF exposed or concerned: Get medical advice/attention.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.  
First-aid measures after skin contact : Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.  
First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.  
First-aid measures after ingestion : Rinse mouth out with water. If you feel unwell, seek medical advice.  
4.2. Most important symptoms and effects, both acute and delayed  
Symptoms/effects : May damage the unborn child. May damage fertility.  
4.3. Indication of any immediate medical attention and special treatment needed  
Treat symptomatically.

## SECTION 5: Firefighting measures

5.1. Extinguishing media  
Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).  
Unsuitable extinguishing media : Do not use extinguishing media containing water.  
5.2. Special hazards arising from the substance or mixture  
No additional information available  
5.3. Advice for firefighters  
Protection during firefighting : Do not attempt to take action without suitable protective equipment.

## SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures  
6.1.1. For non-emergency personnel  
Emergency procedures : Avoid contact with skin and eyes.  
6.1.2. For emergency responders  
Protective equipment : Use personal protective equipment as required.  
Emergency procedures : Stop release.  
6.2. Environmental precautions  
Avoid release to the environment.  
6.3. Methods and material for containment and cleaning up  
Methods for cleaning up : Clean up immediately by sweeping or vacuum. Clean contaminated surfaces with an excess of water.  
6.4. Reference to other sections  
No additional information available

## SECTION 7: Handling and storage

7.1. Precautions for safe handling  
Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.  
7.2. Conditions for safe storage, including any incompatibilities  
Storage conditions : Store in original container. Store in a well-ventilated place. Protect from moisture.  
7.3. Specific end use(s)  
No additional information available

## SECTION 8: Exposure controls/personal protection

8.1. Control parameters  
No additional information available  
8.2. Exposure controls  
Hand protection : Protective gloves  
Eye protection : Chemical goggles or safety glasses  
Skin and body protection : Chemical resistant safety shoes  
Respiratory protection : Wear respiratory protection.

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties  
Physical state : Liquid  
Colour : Clear Colorless.

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Odour :	Odourless.
Odour threshold : No data available	
pH :	10
Relative evaporation rate (butylacetate=1) :	No data available
Melting point :	No data available
Freezing point :	No data available
Boiling point :	No data available
Flash point :	No data available
Auto-ignition temperature :	No data available
Decomposition temperature :	No data available
Flammability (solid, gas) :	No data available
Vapour pressure :	No data available
Relative vapour density	at 20 °C : No data available
Relative density :	No data available
Density :	1.007 g/cm <sup>3</sup>
Solubility : Water:	Soluble in water
Log Pow :	No data available
Viscosity, kinematic :	No data available
Viscosity, dynamic :	No data available
Explosive properties :	No data available
Oxidising properties :	No data available
Explosive limits :	No data available
9.2. Other information	
No additional information available	

## SECTION 10: Stability and reactivity

- 10.1. Reactivity  
No additional information available
- 10.2. Chemical stability  
Stable under normal conditions.
- 10.3. Possibility of hazardous reactions  
No additional information available
- 10.4. Conditions to avoid  
Direct sunlight. Overheating.
- 10.5. Incompatible materials  
No additional information available
- 10.6. Hazardous decomposition products  
No additional information available

## SECTION 11: Toxicological information

- 11.1. Information on toxicological effects  
Acute toxicity : Not classified  
Irritation : Not classified  
pH: 10  
Corrosivity : Not classified  
pH: 10  
Sensitisation : Not classified  
Repeated dose toxicity : Not classified  
Carcinogenicity : Not classified  
Mutagenicity : Not classified  
Toxicity for reproduction : Not classified

## SECTION 12: Ecological information

- 12.1. Toxicity  
No additional information available
- 12.2. Persistence and degradability  
No additional information available
- 12.3. Bioaccumulative potential  
No additional information available
- 12.4. Mobility in soil  
No additional information available

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## 12.5. Results of PBT and vPvB assessment

### Component

Disodium tetraborate decahydrate; borax  
decahydrate (1303-96-4)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal  
recommendations

: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR) : Not applicable

UN-No. (IMDG) : Not applicable

UN-No. (IATA) : Not applicable

UN-No. (ADN) : Not applicable

UN-No. (RID) : Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

### 14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

### 14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

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No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration  $\geq 0.1\%$  or with a lower specific limit: Disodium tetraborate, anhydrous (EC 215-540-4, CAS 1303-96-4)

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 3, severe hazard to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen – Borstvoeding

: None of the components are listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen –

Vruchtbaarheid

: Disodium tetraborate decahydrate; borax decahydrate is listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen – Ontwikkeling

: Disodium tetraborate decahydrate; borax decahydrate, Toluene are listed

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct

contact with the product

The requirements from the Danish Working Environment Authorities regarding work

with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment No additional information available

## Section 16: Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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