

## SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/8

### Tetrabase<sup>®</sup>-100

Revision 1  
Revision date 2018-11-08

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name	Tetrabase <sup>®</sup> -100
Product code	652052

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC35] Washing and cleaning products (including solvent based products);
Description	Cleaner.

##### 1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	regulatorysupport@neogen.com

##### 1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
----------------------------	----------------

##### Further information

Manufactured By:	Preserve International 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
Hotline(s):	Preserve International is a wholly-owned subsidiary of Neogen Corporation. Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Skin Corr. 1B: H314;
-----------------------------	----------------------

##### 2.2. Label elements

Hazard pictograms	
-------------------	---

## Tetrabase®-100

Revision 1  
Revision date 2018-11-08

## 2.2. Label elements

<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
<b>Precautionary Statement: Prevention</b>	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling.
<b>Precautionary Statement: Response</b>	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Organic phosphonate					0 - 0.5%	Met. Corr. 1: H290; Skin Irrit. 2: H315; Eye Irrit. 2B: H320;
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5		10 - 20%	Skin Corr. 1A: H314;
Sodium hypochlorite, solution...% Cl active	017-011-00-1	7681-52-9	231-668-3		1 - 10%	EUH031; Skin Corr. 1B: H314; Aquatic Acute 1: H400;
Sodium acrylate		9003-04-7			1 - 10%	Eye Irrit. 2: H319;

## Further information

The exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	May cause irritation to respiratory system. Move the exposed person to fresh air.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. Immediate medical attention is required.
<b>Skin contact</b>	Remove contaminated clothing. Wash off immediately with plenty of soap and water. Seek medical attention.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	May cause irritation to respiratory system.
<b>Eye contact</b>	Causes severe burns. Risk of serious damage to eyes.
<b>Skin contact</b>	Causes severe burns.
<b>Ingestion</b>	Causes burns. Ingestion may cause nausea and vomiting.

## 4.3. Indication of any immediate medical attention and special treatment needed

Remove the affected person from the source of contamination immediately. If you feel unwell, seek medical advice (show the label where possible). Seek medical attention if irritation or symptoms persist.

## SECTION 5: Firefighting measures

## Tetrabase®-100

Revision 1  
Revision date 2018-11-08

## 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
--	---

## 5.2. Special hazards arising from the substance or mixture

	Heat will increase pressure in sealed containers. Cool fire exposed containers with waterspray. Burning produces irritating, toxic and obnoxious fumes.
--	---

## 5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary.
--	--

**SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

	Avoid contact with eyes and skin. Wash hands after handling the product. Ensure adequate ventilation of the working area.
--	---

## 6.2. Environmental precautions

	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water.
--	--

## 6.3. Methods and material for containment and cleaning up

	Absorb spillage to prevent material damage. Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.
--	--

## 6.4. Reference to other sections

	See section 2, 8, and 13 for further information.
--	---

**SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Wear suitable gloves and eye/face protection. Avoid contact with eyes, skin or clothing. Wash hands after handling the product. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Ensure adequate ventilation of the working area.
--	--

## 7.2. Conditions for safe storage, including any incompatibilities

	Keep only in the original container in a cool, well-ventilated place away from excessive heat or cold.
--	--

## 7.3. Specific end use(s)

	See section 1.2 for further information.
--	--

**SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

## Exposure Limit Values


Sodium hydroxide	ACGIH TLV TWA: -	ACGIH TLV STEL: C 2 mg/m <sup>3</sup>
	Notations: -	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA mg m3: 2	Skin Designation: -
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:

## 8.2. Exposure controls

## Tetrabase®-100

Revision 1  
Revision date 2018-11-08

## 8.2. Exposure controls

	
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Use as appropriate: Protective clothing.
Eye / face protection	Wear eye/face protection.
Skin protection - Hand protection	Wear suitable gloves.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Keep away from food, drink and animal feed and/ or feed products.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

<b>State</b>	Liquid
<b>Color</b>	Clear/Yellow
<b>Odor</b>	Chlorine
<b>Odour threshold</b>	No data available
<b>pH</b>	11.95 - 13.23
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability limits</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density</b>	No data available
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	No data available

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Specific gravity</b>	1.13 - 1.25 g/cm <sup>3</sup>
<b>Gas group</b>	No data available

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

## Tetrabase®-100

Revision 1  
Revision date 2018-11-08

## 10.1. Reactivity

No data available.

## 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

Keep away from incompatible materials.

## 10.4. Conditions to avoid

Keep away from heat. Heat will increase pressure in sealed containers.

## 10.5. Incompatible materials

Strong acids.

## 10.6. Hazardous decomposition products

Carbon oxides.

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Skin corrosion/irritation	Causes burns.
Serious eye damage/irritation	Causes burns.
Respiratory or skin sensitisation	No sensitization effects reported.
Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

## 11.1.4. Toxicological information

No data available

## SECTION 12: Ecological information

## 12.1. Toxicity

No data available

## 12.2. Persistence and degradability

No data available.

## 12.3. Bioaccumulative potential

No data available.

## Partition coefficient

Tetrabase®-100 No data available

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Dispose of in compliance with all. local and national regulations.  
Do not contaminate water by cleaning of equipment or disposal of wastes.

## Tetrabase®-100

Revision 1  
Revision date 2018-11-08

## Disposal methods

	Contact a licensed waste disposal company. Do not contaminate water by cleaning of equipment or disposal of wastes.
--	---

## Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
--	--

## SECTION 14: Transport information

## Hazard pictograms



## 14.1. UN number

	UN1760
--	--------

## 14.2. UN proper shipping name

	CORROSIVE LIQUID, N.O.S. (Sodium hydroxide solution)
--	--

## 14.3. Transport hazard class(es)

DOT	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

## 14.4. Packing group

Packing group	II
---------------	----

## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## DOT

Hazard ID	80
Tunnel Category	(E)

## IMDG

EmS Code	F-A S-B
----------	---------

## IATA

Packing Instruction (Cargo)	855
Maximum quantity	30 L
Packing Instruction (Passenger)	851
Maximum quantity	1 L

## SECTION 15: Regulatory information

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

## Tetrabase®-100

Revision 1  
Revision date 2018-11-08

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

<b>Regulations</b>	<p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.</p> <p>US State Regulations: New Jersey Right-to-Know Hazardous Substance List: Sodium hydroxide, Sodium hypochlorite</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Sodium hydroxide, Sodium hypochlorite.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: Sodium hydroxide, Sodium hypochlorite.</p>
--------------------	---

## Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Sodium hydroxide (Sodium hydroxide (Na(OH)))	Y	N	N	N	N	N	Y	N	N
Sodium hypochlorite, solution...% Cl active (Hypochlorous acid, sodium salt)	Y	N	N	N	N	N	Y	N	N

## SECTION 16: Other information

## Other information

<b>Revision</b>	<p>This document differs from the previous version in the following areas:.</p> <p>1 - Product Use. 2 - 2.1.2. Classification - GHS. 6 - 6.2. Environmental precautions. 9 - 9.1. Information on basic physical and chemical properties (Color). 9 - 9.1. Information on basic physical and chemical properties (PH). 9 - 9.2. Other information (Specific gravity). 10 - 10.5. Incompatible materials. 11 - 11.1.4. Toxicological information. 12 - 12.1. Toxicity. 14 - DOT. 14 - IMDG. 14 - IATA. 15 - Regulations.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>Met. Corr. 1: H290 - May be corrosive to metals. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2B: H320 - Causes eye irritation. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Eye Irrit. 2: H319 - Causes serious eye irritation. EUH031 - Contact with acids liberates toxic gas. Aquatic Acute 1: H400 - Very toxic to aquatic life.</p>

## Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it</p>
--	---

## Tetrabase®-100

Revision 1  
Revision date 2018-11-08

---

**Further information**

---

will make their own determination regarding its suitability for their own unique purpose(s), prior to use.

Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.

---