

## Safety Data Sheet

### Borax 10 Mol Tech Granular

Version 1.3

Revision Date: 11/11/2023

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : Borax 10 Mol Tech Granular

**Manufacturer or supplier's details**

**Company** : Univar Solutions USA

**Address** : 3075 Highland Pkwy Suite 200  
Downers Grove, IL 60515  
United States of America (USA)

**Emergency telephone number:**  
Transport North America: CHEMTREC (1-800-424-9300)  
CHEMTREC INTERNATIONAL Tel # 703-527-3887

**Additional Information:** : Responsible Party: Product Compliance Department  
E-mail: SDSNA@univarsolutions.com  
SDS Requests: 1-855-429-2661  
Website: www.univarsolutions.com

#### SECTION 2. HAZARDS IDENTIFICATION

##### GHS Classification

Eye irritation : Category 2A

Reproductive toxicity : Category 1B

:

##### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H319 Causes serious eye irritation.  
H360 May damage fertility or the unborn child.  
May form combustible dust concentrations in air.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P264 Wash skin thoroughly after handling.  
P280 Wear eye protection/ face protection.  
P281 Use personal protective equipment as required.  
**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.

## Safety Data Sheet

### Borax 10 Mol Tech Granular

Version 1.3

Revision Date: 11/11/2023

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

**Hazardous components**

CAS-No.	Chemical name	Weight percent
1303-96-4	Sodium borate, decahydrate	90 - 100

Actual concentration is withheld as a trade secret

Any Concentration shown as a range is due to batch variation.

**Molecular formula**: Na<sub>2</sub>B<sub>4</sub>O<sub>7</sub>·10H<sub>2</sub>O**Synonyms**

: Sodium Borate Decahydrate, Disodium Tetraborate decahydrate, Borax, Sodium Biborate Decahydrate, Deca Borax, Borax 10 mol,

### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water.  
Remove contaminated clothing and shoes.  
Get medical attention if irritation develops and persists.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Induce vomiting immediately and call a physician.  
Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Nausea  
Vomiting  
Diarrhoea  
Redness  
Irritation
- Notes to physician : Treat symptomatically

### SECTION 5. FIREFIGHTING MEASURES

## Safety Data Sheet

### Borax 10 Mol Tech Granular

Version 1.3

Revision Date: 11/11/2023

Suitable extinguishing media	: Use an extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire-fighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: No hazardous combustion products are known
Specific extinguishing methods	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Avoid dust formation. Avoid breathing dust.
Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	: Keep in suitable, closed containers for disposal.

#### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	: Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
Advice on safe handling	: Avoid formation of respirable particles. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

## Safety Data Sheet

### Borax 10 Mol Tech Granular

Version 1.3

Revision Date: 11/11/2023

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
1303-96-4	Sodium borate, decahydrate	TWA	5 mg/m <sup>3</sup>	NIOSH REL
		TWA	10 mg/m <sup>3</sup>	OSHA P0
		TWA (Inhala- ble particulate matter)	2 mg/m <sup>3</sup> (Borate)	ACGIH
		STEL (Inhala- ble particulate matter)	6 mg/m <sup>3</sup> (Borate)	ACGIH

##### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.  
In the case of dust or aerosol formation use respirator with an approved filter.  
Dust safety masks are recommended when the dust concentration is more than 10 mg/m<sup>3</sup>.

##### Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Dust impervious protective suit  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : solid, powder

Colour : white

Odour : odorless

Odour Threshold : No data available

pH : 9.3 @ 0.1 % @ 20 °C (68 °F)

Freezing Point (Melting point/range) : 62 °C (144 °F)

Boiling Point (Boiling point/boiling range) : 1,575 °C (2,867 °F)  
(1013 hPa)

Flash point : Not applicable

## Safety Data Sheet

### Borax 10 Mol Tech Granular

Version 1.3

Revision Date: 11/11/2023

Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: 20 hPa negligible
Relative vapour density	: No data available
Relative density	: 1.71
Density	: 1.73 g/cm <sup>3</sup>
Solubility(ies)	
Water solubility	: soluble @ 20 °C (68 °F)
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: log Pow: -0.757 @ 25 °C (77 °F)
Auto-ignition temperature	: Not applicable
Thermal decomposition	: No data available
Explosive properties	: Not explosive

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Dust may form explosive mixture in air.
Conditions to avoid	: excessive heat
Incompatible materials	: strong reducing agents metal hydrides Alkali metals Acids alkaloids metal salts

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Serious eye damage/eye irritation

###### Components:

**1303-96-4:**

Species: Rabbit

Result: Irritating to eyes.

##### Germ cell mutagenicity

###### Components:

**1303-96-4:**

## Safety Data Sheet

### Borax 10 Mol Tech Granular

Version 1.3

Revision Date: 11/11/2023

Germ cell mutagenicity - Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

#### Carcinogenicity

##### Components:

##### **1303-96-4:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

##### **IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

##### **OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

##### **NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

#### Reproductive toxicity

##### Components:

##### **1303-96-4:**

Effects on fertility

: Test Type: Three-generation study  
Species: Rat, male and female  
Application Route: Oral  
Dose: 0, 34, 100, 336 mg/kg bw  
General Toxicity - Parent: NOAEL: 100 mg/kg bw  
General Toxicity F1: NOAEL: 100 mg/kg bw  
Symptoms: Testicular effects Reduced fertility  
Remarks: Information given is based on data obtained from similar substances.

Effects on foetal development

: Species: Rat  
Application Route: Oral  
Dose: 0, 19, 36, 55, 76, 143 mg/kg  
Duration of Single Treatment: 20 d  
General Toxicity Maternal: NOAEL: 76 mg/kg bw  
Developmental Toxicity: NOAEL: 55 mg/kg bw  
Symptoms: Reduced body weight  
Remarks: Information given is based on data obtained from similar substances.

Reproductive toxicity - Assessment

Clear evidence of adverse effects on sexual function and fertility, based on animal experiments.

Teratogenicity - Assessment

: Clear evidence of adverse effects on development, based on animal experiments.

## Safety Data Sheet

### Borax 10 Mol Tech Granular

Version 1.3

Revision Date: 11/11/2023

#### Further information

##### Product:

Remarks: No data available

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## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

No data available

#### Persistence and degradability

No data available

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

##### Product:

- |                                   |   |  |
|-----------------------------------|---|--|
| Ozone-Depletion Potential         | : | Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances<br>Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). |
| Additional ecological information | : | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.<br>Harmful to aquatic life with long lasting effects.  |

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## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

- |                        |   |   |
|------------------------|---|---|
| Waste from residues    | : | Dispose of in accordance with all applicable local, state and federal regulations.<br>For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922<br><br>The product should not be allowed to enter drains, water courses or the soil.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company. |
| Contaminated packaging | : | Empty remaining contents.<br>Dispose of as unused product.  |

## Safety Data Sheet

### Borax 10 Mol Tech Granular

Version 1.3

Revision Date: 11/11/2023

Do not re-use empty containers.

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#### SECTION 14. TRANSPORT INFORMATION

**DOT (Department of Transportation):** Not regulated as a dangerous good

**IATA (International Air Transport Association):** Not regulated as a dangerous good

**IMDG-Code:** Not regulated as a dangerous good

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#### SECTION 15. REGULATORY INFORMATION

**WHMIS Classification** : D2A: Very Toxic Material Causing Other Toxic Effects  
D2B: Toxic Material Causing Other Toxic Effects

##### EPCRA - Emergency Planning and Community Right-to-Know Act

##### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Serious eye damage or eye irritation  
Reproductive toxicity

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

##### Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

##### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

##### Massachusetts Right To Know



## Safety Data Sheet

### Borax 10 Mol Tech Granular

Version 1.3

Revision Date: 11/11/2023

1303-96-4 Sodium borate, decahydrate

#### Pennsylvania Right To Know

1303-96-4 Sodium borate, decahydrate

**California Prop 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

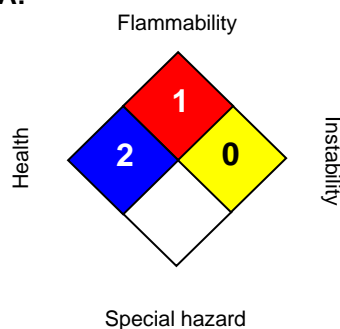
KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

## SECTION 16. OTHER INFORMATION

#### NFPA:



#### HMIS III:

HEALTH	2*
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661) SDSNA@univarsolutions.com.

## Safety Data Sheet

### Borax 10 Mol Tech Granular

Version 1.3

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Legacy SDS: : R0000685

**Material number:**

16140265, 16175551, 606639, 545303, 70447, 69616, 20125

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		