

# ENG SCIENTIFIC, LLC

121 Jersey Ave, 2<sup>nd</sup> Floor  
New Brunswick, NJ, USA 08901

## SAFETY DATA SHEET (SDS)

### #1 - IDENTIFICATION

**Product Identifier – Boric Acid**

**Product Code – 41123, 41125**

**Synonyms – Same**

**Recommended use -** Professional, scientific and medical-technical activities

**Recommended restrictions -** None known

**Manufacturer:**

**Company Name -** ENG Scientific, LLC  
121 Jersey Ave, 2<sup>nd</sup> Floor  
New Brunswick, NJ, USA 08901

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### #2 - Hazard(s) Identification

<b>Physical hazards</b>	N/A	Category 0
<b>Health hazard</b>	Reproductive toxicity	Category 1B
<b>Label elements</b>		



<b>Signal word</b>	Danger
<b>Hazard statement</b>	May damage fertility or the unborn child.
<b>Precautions</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. If exposed or concerned, get medical advice/attention
<b>Storage</b>	Store locked up
<b>Supplemental info</b>	Avoid release to the environment
<b>Disposal</b>	Dispose of contents-according to an approved waste disposal plant
<b>NFPA Rating</b>	- HEALTH: 0 - FLAMMABILITY: 0 - REACTIVITY: 0

### #3 – Composition

**Chemical name:** Boric Acid CAS # 10043-35-3

### #4 – First-aid measures

**Inhalation:** N/A

**Eye contact:** Rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

**Skin contact:** Take off all contaminated clothing immediately. Rinse skin with water/shower. Consult a physician.

**Swallowing:** Immediately drink two glasses of water. Consult a physician.

### #5 – Fire-fighting measures

**Extinguishing media:** N/A

**Special fire-fighting procedures:** N/A

## **#6 – Accidental release measures**

**Steps to be taken in case material is released or spilled:** Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

## **#7 – Handling and storage**

**Handling:** Work under hood. Do not inhale substance/mixture.

**Storage:** Store at room temperature and in a tightly closed container. Dry. Keep in a well-ventilated place.

## **#8 – Exposure controls/personal protection**

**Respiratory protection:** Use appropriate NIOSH/MSHA certified respirators when levels are expected to exceed exposure limits.

**Ventilation:** N/A

**Protective gloves:** Standard

**Eye protection:** N/A

**Other protective equipment:** Lab coat.

## **#9 – Physical and chemical properties**

**Appearance:** White granular or powder solid.

**Odor:** N/A

**Boiling point:** N/A

**Specific gravity:** (H<sub>2</sub>O = 1)

**Vapor density:** N/A

**Solubility in H<sub>2</sub>O** = 4.7% at 20°C

**Freezing point:** N/A

**Evaporation Rate** = N/A

**Flash point:** N/A

## **#10 – Stability and reactivity**

**Stability:** Stable under normal conditions.

**Incompatibility:** N/A

**Conditions to avoid:** Exposure to moisture.

**Hazardous polymerization:** Will not occur.

## **#11 - Toxicology information**

**Route of Exposure – Inhalation** N/A

**Route of Exposure – Skin** N/A

**First Aid – Skin** N/A

**Route of Exposure – Eyes** N/A

**First Aid – Eyes** N/A

**Route of Exposure – Ingestion** Practically non-toxic.

**Health Conditions Aggravated by Exposure** May damage fertility or the unborn child.

## **#12 – Ecological information**

Boron is natural occurring and is commonly found in the environment. Boric Acid decomposes in the environment to natural Borate.

## **#13 – Disposal considerations**

Disposal of hazardous material may be subject to federal, state or local regulations. The information contained in this document is believed to be factual, however, nothing presented herein is to be taken as a warranty or representation for which ENG Scientific, LLC shall be responsible.

## **#14 – Transport information**

**PROPER SHIPPING NAME:** N/A

**UN NUMBER:** N/A

**HAZARD CLASS:** N/A

**PACKING GROUP:** N/A

**DOT SHIPPING LABEL:** N/A

## **#15 – Regulatory information**

**US federal regulations** All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, SUBPT. D)** Not regulated

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not on regulatory list

**CERCLA Hazardous Substance List (40 CFR 302.4)** N/A

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate Hazard – No

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

**SARA 302 Extremely hazardous substance** Not listed

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not regulated

**Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130):** Not regulated

**Clean Water Act (CWA) Section 112® (40 CFR 68.130):** Not regulated

**Safe Drinking Water Act (SDWA):** Not regulated

**Drug Enforcement Administration (DEA) List 2 Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and**

**Chemical Code Number:** Not listed

**Drug Enforcement Administration (DEA) List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c):**

Not regulated

**DEA Exempt Chemical Mixtures Code Number:** Not regulated

**Food and Drug Administration (FDA):** N/A

**US state regulation:** California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**US. Massachusetts RTK:** N/A

**US. New Jersey Worker and Community Right-to-Know Act:** N/A

**US. Pennsylvania RTK:** N/A

**US. Rhode Island RTK:** N/A

**US California Proposition 65:**

**US-California Proposition 65 – Carcinogens and Reproductive Toxicity (CRT):** Not listed

**International Inventories**

<b>Country/Region</b>	<b>Inventory name</b>	<b>On Inventory*</b>
Canada	Non-domestic Substances List (NDSL)	No
Europe	European Inventory of Existing Chemical Substances (EINECS)	Yes
U.S.	Toxic Substances Control Act (TSCA) Inventory	Yes
Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*\* Yes complies with the inventory requirements administered by the governing country.*

## **#16 – Other information**

**Issue date** January 31, 2022

**Version #** 05

**Further information** The information contained in this document is believed to be factual, however, nothing presented herein is to be taken as a warranty or representation for which ENG Scientific, LLC shall be responsible.