

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name: Sodium Borate 5%, Aqueous
Part Number: 13826
CAS-No.: Not applicable
SDS Number: 4310

1.2 Recommended Use: Laboratory Chemicals

1.3 Company: Newcomer Supply
 2505 Parview Road
 Middleton, WI 53562 USA

Telephone: 1-800-383-7799
Fax: 1-608-831-0866
Website: www.newcomersupply.com
Email: newly@newcomersupply.com

24 HOUR EMERGENCY CONTACT
 CALL CHEMTREC: 1-800-424-9300
 Contact CHEMTREC only in the event of an emergency involving a chemical spill, leak, fire, exposure or other accident.

2. HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture
 GHS Classification, (in accordance with 29 CFR1910.1200)
 Reproductive toxicity, Category 2

2.2 GHS Label elements
Signal Word WARNING

Pictogram



Hazard Statement(s):
 · Suspected of damaging fertility or the unborn child

Precautionary Statement(s):
Prevention:
 · 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

Response:
 · IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician

Storage:
 · Store locked up

Disposal:
 · Dispose of contents/ container to an approved waste disposal plant.

2.3 Description of any hazards not otherwise classified None

2.4 >1% of mixture with unknown acute toxicity None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture
Hazardous Components

| Component | | Concentration |
|-----------|---------------|---------------|
| Name | Sodium Borate | |
| CAS-No. | 7681-90-5 | 5% |

4. FIRST-AID MEASURES

4.1 Description of necessary measures

Inhalation (breathing)

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IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice/attention.

Ingestion (swallowed)

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and or effects, acute and delayed

The most important symptoms/effects are presented in Section 2 and or Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE-FIGHTING MEASURES
5.1 Suitable extinguishing media

Carbon dioxide, dry chemical, water spray, alcohol-resistant foam.

5.2 Specific hazards arising from the substance or mixture

No data available

5.3 Protective equipment and precautions for fire-fighters

Wear a positive-pressure self-contained breathing apparatus if necessary. Wear chemical resistant clothing as recommended by clothing manufacturer.

NFPA Rating

| | | |
|-----------|-----------|------------|
| Health | Fire | Reactivity |
| hazard: 1 | hazard: 0 | hazard: 0 |

6. ACCIDENTAL RELEASE MEASURES
6.1 Personal precautions, protective equipment and emergency procedures

Apply personal protective equipment (see Section 8). Use in a properly ventilated area. Avoid breathing vapors. Avoid skin contact. Avoid eye contact. Wash hands after use. In case of large spill, remove personnel to a safe area.

6.2 Methods and material for containment and cleaning up

Apply personal protective equipment (see Section 8). Contain spill. Prevent further leakage if possible and safe to do so. Ensure proper ventilation. For small amounts, wipe or absorb spill using inert material and dispose of according to local regulations. For large amounts, evacuate area and limit access. Prevent entry of material into sewage drains and confined areas. Dispose of any contaminated materials according to local regulations.

7. HANDLING AND STORAGE
7.1 Precautions for safe handling

Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.

7.2 Conditions for safe storage, including any incompatibilities

Refer to Section 2.2 for proper storage temperature. Store the tightly closed container in a cool, dry, well-ventilated area.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control Parameters

Components with limit values that require monitoring at the workplace

| Component | CAS-No. | Regulatory | Value | Parameters |
|---------------|-----------|------------|-------|----------------------|
| Sodium Borate | 7681-90-5 | OSHA PEL | TWA | 10 mg/m ³ |
| | | ACGIH TLV | TWA | 2 mg/m ³ |
| | | ACGIH TLV | STEL | 6 mg/m ³ |
| | | NIOSH REL | TWA | 1 mg/m ³ |

8.2 Exposure Controls
Appropriate engineering controls

Use in a properly ventilated area. Remove/wash before reuse contaminated clothing. Wash hands upon exiting work premises. Use product in an appropriately designated fume hood. Take measures to keep concentrations below acceptable limits.

8.3 Personal Protective Equipment
Eye/Face protection

Wear chemical safety goggles and/or a full face shield if splashing is possible. Keep eye wash fountain nearby.

Skin Protection

Wear chemical-resistant gloves. Gloves should be resistant to components of product. Refer to glove manufacturer for appropriate type and glove thickness.

Body Protection

No data available

Respiratory Protection

No data available

Other Information

None

9. PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties

| | |
|---|-------------------------------|
| Physical state | Translucent, colorless liquid |
| Odor | Odorless |
| Odor threshold | No data available |
| pH | No data available |
| Melting point/freezing point | ca. 0°C (ca. 32°F) |
| Initial boiling point and boiling range | ca. 100°C (ca. 32°F) |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper flammability or explosive limits | No data available |
| Lower flammability or explosive limits | No data available |
| Vapor pressure | No data available |
| Vapor density | ~1 |
| Relative density | No data available |
| Solubility(ies) | Water soluble |
| Partition coefficient: n-octanol/water | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |

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10. STABILITY AND REACTIVITY
10.1 Reactivity

No data available

10.2 Chemical stability

Stable in a closed container within label-specified storage temperature and expiration date.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong acids, alkaloid salts, and metallic salts

10.6 Hazardous decomposition products

Boron oxides; sodium borate solution may emit toxic and irritating fumes under heat conditions.

11. TOXICOLOGICAL INFORMATION
11.1 Information on toxicological effects
Inhalation exposure

No data available

Oral exposure

No data available

Dermal exposure

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitization

No data available

Germ Cell mutagenicity

No data available

Reproductive toxicity

Developmental, subchronic and chronic toxicity studies show that the primary targets for borate toxicity are the developing fetus and the male reproductive system.

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Acute toxicity

Sodium Borate:

LD50 rat oral 2660 mg/kg

Carcinogenicity

IARC: None of the components are listed

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NTP: None of the components are listed
OSHA: None of the components are listed

Additional information

RTECS: No data available

12. ECOLOGICAL INFORMATION**12.1 Ecotoxicity**

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS**13.1 Waste disposal methods****Contents**

Dispose of contents in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of packaging in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION**14.1 DOT (US)**

| | |
|------------------------------|-------------------|
| UN-Number | No data available |
| Proper shipping name | No data available |
| Hazard class | No data available |
| Packing group | No data available |
| Environmental hazards | No data available |

15. REGULATORY INFORMATION**15.1** No data available**16. OTHER INFORMATION**

Preparation Information

Newcomer Supply Inc.

800-383-7799

www.newcomersupply.com

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