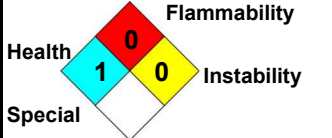





Safety Data Sheet

| NFPA | HMIS | WHMIS | TDG | DOT | | | | | | | | |
|--|--|--------|-----|--------------|---|------------------|---|---------------|---|---|---|---|
|  | <table border="1"> <tr><td>Health</td><td>1</td></tr> <tr><td>Flammability</td><td>0</td></tr> <tr><td>Physical hazards</td><td>0</td></tr> <tr><td>Suggested PPE</td><td>E</td></tr> </table> | Health | 1 | Flammability | 0 | Physical hazards | 0 | Suggested PPE | E |  |  |  |
| Health | 1 | | | | | | | | | | | |
| Flammability | 0 | | | | | | | | | | | |
| Physical hazards | 0 | | | | | | | | | | | |
| Suggested PPE | E | | | | | | | | | | | |

1 . Product and Company Identification

| | |
|---|--|
| Product name Boron 15 | |
| Synonym | SDS prepared by the Environment, Health & Safety Department on: January 04, 2016. |
| Material uses Soil additive, micronutrient mix | |
| | <u>In Case of Emergency</u> CANUTEC (24 hs) 613-996-6666 |
| SDS Number 305000 | |
| Distributed by: Pestell Minerals & Ingredients Inc. 141 Hamilton Road, New Hamburg, ON N3A 2H1 | For more information on Pestell Minerals & Ingredients products ,please go to: http://www.pestell.com or contact us at (1) 519-662-2877 |

2 . Hazards Identification

| | |
|--|--|
| Physical state | Solid. |
| OSHA/HCS status | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product. |
| <u>Potential acute health effects</u> | |
| Inhalation | May irritate the respiratory tract if inhaled. |
| Ingestion | May be harmful if swallowed. |
| Skin | May cause skin irritation. |
| Eyes | May irritate the eyes upon contact. |
| <u>Potential chronic health effects</u> | |
| Chronic effects | No known significant effects or critical hazards. |
| Carcinogenicity | No known significant effects or critical hazards. |
| Mutagenicity | No known significant effects or critical hazards. |
| Teratogenicity | No known significant effects or critical hazards. |
| Developmental effects | No known significant effects or critical hazards. |
| Fertility effects | No known significant effects or critical hazards. |
| <u>Over-exposure signs/symptoms</u> | |
| Inhalation | No specific data. |
| Ingestion | No specific data. |

2 . Hazards Identification

Skin No specific data.

Eyes No specific data.

Medical conditions aggravated by over-exposure None known.

See toxicological information (Section 11)

3 . Composition / Information on Ingredients

United States

| <u>Name</u> | <u>CAS number</u> | <u>%</u> |
|-----------------------------|-------------------|----------|
| sodium borate, pentahydrate | 11130-12-4 | 99 - 100 |

Canada

| <u>Name</u> | <u>CAS number</u> | <u>%</u> |
|-----------------------------|-------------------|----------|
| sodium borate, pentahydrate | 11130-12-4 | 99 - 100 |

Mexico

| <u>Name</u> | <u>CAS number</u> | <u>UN number</u> | <u>%</u> | <u>IDLH</u> | <u>Classification</u> | | | |
|-----------------------------|-------------------|------------------|----------|-------------|-----------------------|----------|----------|----------------|
| | | | | | <u>H</u> | <u>F</u> | <u>R</u> | <u>Special</u> |
| sodium borate, pentahydrate | 11130-12-4 | Not available. | 99 - 100 | - | 0 | 0 | 0 | |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4 . First Aid Measures

Eye contact Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.

Skin contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

Inhalation If inhalation occurs, remove individual(s) to fresh air. Loosen restrictive clothing items if necessary. If individual has irregular or difficulty breathing or is under respiratory arrest seek medical attention immediately. If other conditions or symptoms develop contact a physician.

Ingestion If ingestion occurs, rinse mouth with copious amounts of water. Do Not induce vomiting unless directed to do so by trained medical personnel. Do Not give anything by mouth to unconscious individuals. Seek immediate medical attention.

Protection of first-aiders No action shall be taken involving any personal risk or without suitable training.

Notes to physician No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5 . Fire-fighting Measures

| | |
|---|---|
| Flammability of the product | No specific fire or explosion hazard. |
| <u>Extinguishing media</u> | |
| Suitable | Use an extinguishing agent suitable for the surrounding fire. |
| Not suitable | None known. |
| Special exposure hazards | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Hazardous thermal decomposition products | No specific data. |
| Special protective equipment for fire-fighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

6 . Accidental Release Measures

| | |
|---------------------------------------|---|
| Personal precautions | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8). |
| Environmental precautions | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| <u>Methods for cleaning up</u> | |
| Small spill | Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. |
| Large spill | Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal. |

7 . Handling and Storage

| | |
|-----------------|---|
| Handling | Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. |
| Storage | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep out of reach of children. |

8 . Exposure Controls / Personal Protection

United States

| Ingredient | Exposure limits |
|-----------------------------|---|
| sodium borate, pentahydrate | ACGIH TLV (United States, 1/2008). TWA: 2 mg/m ³ 8 hour(s). STEL: 6 mg/m ³ 15 minute(s). |

Canada

| Occupational exposure limits | | TWA (8 hours) | | | STEL (15 mins) | | | Ceiling | | | |
|------------------------------|-----------------|---------------|-------------------|-------|----------------|-------------------|-------|---------|-------------------|-------|-----------|
| Ingredient | List name | ppm | mg/m ³ | Other | ppm | mg/m ³ | Other | ppm | mg/m ³ | Other | Notations |
| sodium borate, pentahydrate | US ACGIH 1/2008 | - | - | 2 | - | 6 | - | - | - | - | [a] |
| | BC 6/2008 | - | - | 2 | - | 6 | - | - | - | - | |

Form: [a]Inhalable

Mexico

| Ingredient | Exposure limits |
|-----------------------------|---|
| sodium borate, pentahydrate | ACGIH TLV (United States, 1/2008). TWA: 2 mg/m ³ 8 hour(s). STEL: 6 mg/m ³ 15 minute(s). |

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Respiratory

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eyes

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

8 . Exposure Controls / Personal Protection

Personal protective equipment (Pictograms)



Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9 . Physical and Chemical Properties

| | |
|----------------|--|
| Physical state | Solid. |
| Flash point | [Product does not sustain combustion.] |
| Color | White. [Light] |
| VOC | 0 % (w/w) |

10 . Stability and Reactivity

| | |
|------------------------------------|--|
| Chemical stability | The product is stable. |
| Possibility of hazardous reactions | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Hazardous polymerization | Under normal conditions of storage and use, hazardous polymerization will not occur. |
| Conditions to avoid | No specific data. |
| Materials to avoid | No specific data. |
| Hazardous decomposition products | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

11 . Toxicological Information

Classification

| Product/ingredient name | ACGIH | IARC | EPA | NIOSH | NTP | OSHA |
|-----------------------------|-------|------|-----|-------|-----|------|
| sodium borate, pentahydrate | A4 | - | - | - | - | - |

Canada

Acute toxicity

11 . Toxicological Information

Classification

| Product/ingredient name | ACGIH | IARC | EPA | NIOSH | NTP | OSHA |
|-----------------------------|-------|------|-----|-------|-----|------|
| sodium borate, pentahydrate | A4 | - | - | - | - | - |

Mexico

Acute toxicity

Classification

| Product/ingredient name | ACGIH | IARC | EPA | NIOSH | NTP | OSHA |
|-----------------------------|-------|------|-----|-------|-----|------|
| sodium borate, pentahydrate | A4 | - | - | - | - | - |

12 . Ecological Information

Environmental effects No known significant effects or critical hazards.

United States

Canada

Mexico

13 . Disposal Considerations

Waste disposal The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.




RCRA classification Not listed under RCRA

Disposal should be in accordance with applicable regional, national and local laws and regulations.

13 . Disposal Considerations

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 . Transport Information

| Regulatory information | UN number | Shipping name | Classes | PG* | Label | Additional information |
|------------------------|----------------|---------------|---------|---------------------|---|------------------------|
| DOT Classification | Not regulated. | - | - | - |  | - |
| TDG Classification | Not regulated. | - | - | - |  | - |
| Mexico Classification | Not regulated. | - | - | - |  | - |
| | | | | PG* : Packing group | | |

15 . Regulatory Information

United States

HCS Classification Not regulated.

U.S. Federal regulations TSCA 8(a) IUR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): Not determined.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) Not listed

Clean Air Act Section 602 Class I Substances Not listed

Clean Air Act Section 602 Class II Substances Not listed

DEA List I Chemicals (Precursor Chemicals) Not listed

DEA List II Chemicals (Essential Chemicals) Not listed

15 . Regulatory Information

State regulations

Connecticut Carcinogen Reporting: None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: The following components are listed: BORATES, TETRA, SODIUM SALTS
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: None of the components are listed.
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: None of the components are listed.
Rhode Island Hazardous Substances: None of the components are listed.

United States inventory (TSCA 8b) Not determined.

Canada

WHMIS (Canada) Not controlled under WHMIS (Canada).

Canadian lists

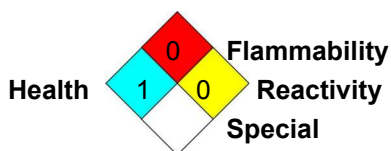
CEPA Toxic substances: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: None of the components are listed.
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

Canada inventory Not determined.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Mexico

Classification



EU regulations

Risk phrases This product is not classified according to EU legislation.

International regulations

International lists

Australia inventory (AICS): All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: Not determined.
Korea inventory: Not determined.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): All components are listed or exempted.

15 . Regulatory Information

Chemical Weapons Convention List
Schedule I Chemicals Not listed

Chemical Weapons Convention List
Schedule II Chemicals Not listed

Chemical Weapons Convention List
Schedule III Chemicals Not listed

16 . Other information

Label requirements NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

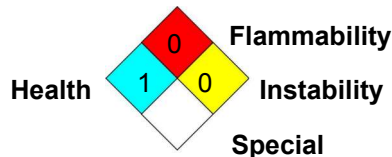
Hazardous Material Information System (U.S.A.)

| | |
|------------------|---|
| Health | 1 |
| Flammability | 0 |
| Physical hazards | 0 |
| | |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material. Suggested protective clothing might not be adequate. Consult a specialist before handling this product.

National Fire Protection Association (U.S.A.)



Date of issue July 09, 2015.

Version 1

✔ Indicates information that has changed from previously issued version.

Notice to Reader:

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