



BORON 10%

SAFETY DATA SHEET
REVISION DATE: 3/2/2021

SECTION 1: PRODUCT AND MANUFACTURER INFORMATION

Name: BORON 10%

Recommended Use: Fertilizer / chemical reagent

Manufacturer: Monty's Plant Food Co., 4800 Strawberry Ln., Louisville, KY 40209; Phone: (502) 489-9888

For Transportation Emergencies call Chemtrec at 800-424-9300

For Other Emergencies call 911 and/or Appropriate Regulatory Agencies

SECTION 2: HAZARD IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:



WARNING

MAY BE HARMFUL IF SWALLOWED
MAY CAUSE EYE IRRITATION
MAY CAUSE RESPIRATORY IRRITATION



DANGER

MAY DAMAGE
FERTILITY OR THE
UNBORN CHILD

HAZARD CLASSIFICATIONS:

ACUTE TOXICITY

CATEGORY

4

INTERPRETATION

Low to Moderate

EYE IRRITATION

2B

Eye Irritation Possible

TARGET ORGAN SYSTEMIC TOXICITY

3

Transient Respiratory Irritation Possible

PRECAUTIONARY STATEMENTS:

- KEEP OUT OF REACH OF CHILDREN
- IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT CONTAINER OR LABEL ON HAND
- IF ON SKIN, WASH WITH PLENTY OF SOAP AND WATER
- IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE
- DO NOT EAT, DRINK, OR SMOKE WHEN USING PRODUCT
- AVOID BREATHING MIST
- IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES – REMOVE CONTACT LENSES
- IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING
- DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS
- READ LABEL BEFORE USE
- CALL A POISON CENTER / PHYSICIAN IF UNWELL
- IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE
- WASH HANDS THOROUGHLY AFTER HANDLING
- USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS
- STORE CONTAINER TIGHTLY CLOSED

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY	CAS #	CONCENTRATION (%)
Boric acid	10043-35-3	57-58
Water	7732-18-5	22-23
Monoethanolamine	141-43-5	19-20

SECTION 4: FIRST AID MEASURES

IF INHALED: Move victim to fresh air. Seek medical attention if irritation persists.

IF ON SKIN: Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.

IF IN THE EYES: Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.

IF SWALLOWED: If victim is alert and not convulsing, give one glass of water to dilute material and induce vomiting. Seek immediate medical attention.

SPECIAL TREATMENT: None known

HEALTH HAZARDS: See Section 11

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use media suitable for surrounding fire. No special media required.

SPECIFIC FIRE HAZARDS: Decomposition products may be toxic.

SPECIAL FIREFIGHTING PROCEDURES: Wear full protective clothing and positive-pressure self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / RELEASE PROCEDURES: Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.

ENVIRONMENTAL PRECAUTIONS: Prevent spilled material from entering storm drains or water bodies.

PROTECTIVE EQUIPMENT: See Section 8

SAFETY DATA SHEET

SECTION 7: HANDLING AND STORAGE

Store in a cool, dry, well ventilated area. Do not store above 120° F

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

HAZARDOUS COMPONENT

Monoethanolamine

OSHA PEL

3 ppm

6 mg/m³

ACGIH TLV

3 ppm

6 ppm (STEL)

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION: NIOSH approved particulate / mist respirator, if required

EYE PROTECTION: Safety glasses with sideshields, goggles, or faceshield recommended

SKIN PROTECTION: Long sleeves, protective (rubber) gloves recommended

VENTILATION: Local exhaust ventilation recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear liquid with no appreciable odor

pH: 7 - 9

MELTING POINT: Not applicable

BOILING POINT: Not available

FLASH POINT: Not flammable

EVAPORATION RATE: Not available

FLAMMABLE LIMITS: Not applicable

VAPOR PRESSURE: Not available

VAPOR DENSITY: Not available

SPECIFIC GRAVITY: 1.32 – 1.33

SOLUBILITY (IN WATER): Soluble

PARTITION COEFFICIENT: Not available

AUTOIGNITION TEMP: Not applicable

DECOMPOSITION TEMP: Not available

ODOR THRESHOLD: Not available

VISCOSITY: Not available

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Product is stable.

CONDITIONS TO AVOID: Excessive heat (above 480oF), iron

INCOMPATIBILITY: Sodium nitrite and other nitrosating agents; strong oxidizers, reducers, acids, and bases; aldehydes; ketones, acrylates; organic anhydrides and halides; formates; lactones; oxalates

HAZARDOUS DECOMPOSITION PRODUCTS: NO_x, CO_x

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: May cause eye and skin irritation. Eye irritation could be severe, including watering, redness, and swelling. Skin irritation could also result in redness and swelling. May also cause irritation of mucous membranes and the respiratory tract, including nasal discharge and coughing. Ingestion may result in irritation of the mouth, throat, and gastrointestinal tract; nausea; vomiting; diarrhea; dizziness; drowsiness; thirst; and weakness. Repeated overexposure could cause damage to the kidneys and liver.

CARCINOGENICITY: None of the ingredients are known / listed carcinogens.

INGREDIENT TOXICITY RANGES:

ORAL: 1,515 mg/kg (monoethanolamine)

DERMAL: 1,025 - 2,504 mg/kg (monoethanolamine)

INHALATION: > 1.3 mg/L (6 hr) (monoethanolamine)

SECTION 12: ECOLOGICAL INFORMATION

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

SAFETY DATA SHEET

SECTION 15: REGULATORY INFORMATION

SARA SECTION 311 / 312 HAZARD CATEGORY: IMMEDIATE HAZARD

SECTION 16: OTHER INFORMATION

NFPA RATINGS: HEALTH 1
FLAMMABILITY 0
INSTABILITY 0

HMIS RATINGS: HEALTH 1
FLAMMABILITY 0
PHYSICAL HAZARD 0

This information is accurate to the best of our knowledge, and is furnished without warranty of any kind. Users should determine the suitability of this material for its intended purpose. The user assumes all risks associated with the use of this product.