

EYES:

medical attention.

Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION:

If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

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Fire Extinguisher Type:

Any means suitable for extinguishing

Fire Extinguisher Remarks:

Temperature, which can be explosive under some conditions. Keep protected

Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

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Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

Accidental Release: Ventilate area of Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Isolate Hazard Area. Keep Unnecessary and Unprotected Personnel from Entering.

Contain and Recover Liquid when Possible. Absorb with an Inert Material (e.g., Vermiculite, Dry

Sand, Earth), and place in a Chemical Waste Container. Do Not Flush to Sewer! US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities.

7. Handling and Storage

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Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Keep out of direct sunlight and away from heat, water and incompatible materials. Do not reuse containers.

8. Exposure controls and personal protection

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Respiratory Protection

None required

Ventilation

Local

OTHER

Mechanical

Protective Gloves

Gloves to prevent skin exposure as rubber or vinyl

EYE PROTECTION

Splash Goggles

Other Protective Equipment

Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

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BOILING POINT

20°C

VAPOR PRESSURE

not available

MELTING POINT

-0° C

VAPOR DENSITY

not available

EVAPORATION RATE

information not available

Appearance /Odors

Clear colorless liquid. Strong ammonia

Flash Point

not flammable

Specific Gravity

1.0

Percent Volatile by

98%

Evaporation Standard

Auto Ignition Temp

Not applicable

Lower Flamm. Limit in Air

Not applicable

Upper Flamm. Limit in Air

Not applicable

Solubility in Water

Soluble

10. Stability and reactivity

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STABILITY

CONDITIONS TO AVOID	oxidizing agents, amines, metals, bases
MATERIALS TO AVOID	Oxidizing agents, metals, bases, amines.
HAZARDOUS DECOMPOSITION PRODUCTS	Not known to occur
HAZARDOUS POLYMERIZATION	not expected to occur
Conditions to Avoid	None known

11. Toxicological information

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Toxicological Data: Oral rat LD50: 2660 mg/kg; oral woman LDLo: 200 mg/kg; investigated as a mutagen, tumorigen, reproductive effector.

Reproductive Toxicity: May impair fertility. May cause harm to the unborn child. Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

12. Ecological information

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Environmental Fate: Boric acid: 48 Hr EC50 water flea: 115.0 mg/L [Static]

Environmental Toxicity: The EC50/48-hour values for daphnia are over 100 mg/l. This material may be toxic to aquatic life

13. Disposal considerations

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Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport information

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DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

15. Regulatory information

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Chemical Inventory Status

Part 1: Ingredient

Boric Acid (10043-35-3)

TSCA Yes

EC Yes

Japan YES

Australia Yes

Chemical Inventory Status

Part 2: Ingredient

Boric Acid (10043-35-3)

Korea Yes

DSL Yes

NDSL No

Phil. Yes

Federal, State & International Regulations

Part 1: Ingredient.

Boric Acid (10043-35-3)

RQ No

TPQ No

List NO

Chemical Catg No

Federal, State &

International Regulations ☒

Part 2:Ingredient

Boric Acid (10043-35-3)

CERCLA No

261.33 No

8(d) No

Chemical Weapons Convention: No

TSCA 12 (b):No

CDTA:No PURE/SOLID

SARA 311/312: Acute: Yes

Chronic: Yes

Fire: No

Pressure: No

Reactivity: No

Australian Hazchem Code: None allocated

Poison Schedule:S5

16. Other information

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Warning, harmful if swallowed or inhaled. eyes & skin: flush affected area with large amounts of water.inhal: remove to fresh air.ingest: give two large glasses of water. In all cases seek medical attention. Conditions aggravated/target organs . Persons with pre-existing eye, skin or respiratory condition may be more susceptible.Ingestion may cause circulatory system collapse with clammy skin,weak and rapid pulse, shallow respirations and scanty urine may follow ingestion or skin contact.may cause sore throat,

Flammability

Health

Reactivity

Revisions

7/30/2010

NFPA

0.1 updated msds to 16 section from 10 section msds. STN

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