

Safety Data Sheet

SDS ID: Stock Code BT

Revision date: February 13, 2023

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Boiler-Aide 2-N-1 All Purpose Boiler Cleaner and Treatment

Synonyms: None

Chemical family: Corrosion Inhibitor

Producer: J.C. Whitlam Manufacturing Company

200 West Walnut Street

P.O. Box 380

Wadsworth, Ohio 44282-0380

www.icwhitlam.com

Telephone: 330-334-2524 Available during normal business hours

Emergency: 330-334-2524 Available during normal business hours

Section 2. HAZARDS IDENTIFICATION

GHS Classification: Reproductive Toxicity Category 2

GHS label elements:



Health Hazard

Signal Word: Warning

Hazard Statements:

H361 Suspected of damaging fertility or the unborn child

Precautionary Statements:

Prevention

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves, protective clothing and eye protection or face protection.

Response

P308 + P313 IF exposed or concerned: Get medical attention.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container to an approved waste disposal plant.

Hazards Not Otherwise Classified (HNOC):

None

Additional Information:

None

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Material information:

Name	CAS No.	Weight %
Sodium Tetraborate	12179-04-3	1 - 5

Note: The above weight percentages are represented in ranges as estimates. Due to variation among production batches, component percentages may vary.

Section 4. FIRST AID MEASURES

General:

Move out of dangerous area. Perform first aid measures as indicated.

Seek medical attention and show this safety data sheet to attending physician.

Inhalation:

Move to fresh air and keep at rest in a position comfortable for breathing. If breathing difficulty occurs or persists seek medical attention. If not breathing give artificial respiration and seek immediate medical attention.

Skin contact:

Immediately flush exposed skin with water for at least 15 minutes while removing contaminated clothing and/or shoes. Thoroughly wash with soap and water. Seek medical attention if irritation develops or persists.

Ingestion:

Rinse mouth with water. Do not induce vomiting. Seek medical attention if symptoms develop.

Eye contact:

Immediately flush eyes with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Check for and remove any contact lenses if easy to do. Seek medical attention if irritation develops or persists.

Section 5. FIREFIGHTING MEASURES

Suitable Extinguishing Media:

Use extinguishing media suitable for surrounding fire or source of fire.

Use water spray to cool fire exposed containers.

Unsuitable Extinguishing Media:

No information available

Specific hazards developing from the chemical:

In fire conditions after water loss, combustion may produce oxides of nitrogen and other unidentified chemical compounds.

Precautions for firefighters:

No information available

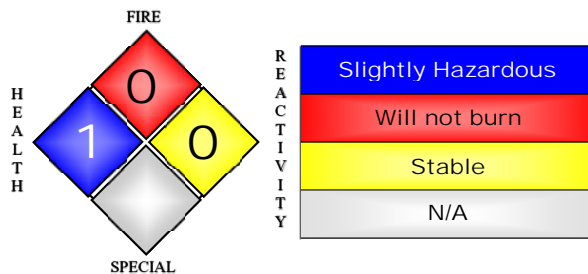
Firefighting Instructions:

No information available

Protection During Firefighting:

Wear full protective gear and full face pressure demand self-contained breathing apparatus.

NFPA rating: HMIS rating:		
Health:	1	1
Flammability:	0	0
Instability/reactivity:	0	0
Other:	N/A	C (PPE)



Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid direct contact with skin, eyes and clothing. Avoid inhalation of mist, vapor or dust. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.
Large Spill:	Prevent further leakage or spillage if safe to do so. Contain spilled material and prevent run-off onto ground or into water sources or sewers.
Methods for Containment and Clean up	Absorb on inert material and place in containers for disposal. Dispose of spilled/collected material in accordance with all federal, state and local regulations.

Section 7. HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes. Avoid inhalation of mist, vapor and dust. Ensure adequate ventilation. Do not eat, drink or smoke while handling. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.
Storage:	Store in original container. Keep container tightly closed. Store at room temperature (50-90° F) in a dry well-ventilated area.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Name	CAS No.	ACGIH® TLV®	CAL/OSHA	OSHA PEL
Sodium Tetraborate	12179-04-3	TWA, 2 mg/m ³ Inhalable dust	5 mg/m ³	15 mg/m ³ Total dust

Engineering Measures: Use local and/or general exhaust ventilation to maintain airborne concentrations below irritating levels or exposure limits. An eyewash and safety shower should be available in the work area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/face protection:

Safety glasses or chemical goggles should be worn when handling this material.

Skin protection:

Wear chemical resistant gloves when handling.

Wear chemical resistant apron when handling.

Respiratory Protection:

Wear respiratory protection if mist or vapor is produced, while using this material.

General hygiene considerations:

Follow good hygiene and safety practice. Wash hands and exposed skin before breaks and at the end of the work day. Do not eat, drink or smoke while handling this material. Do not wear contaminated or dirty clothing home from the work-site. Launder contaminated or dirty clothing before reuse.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless
Physical state (solid/liquid/gas):	Liquid
Substance type (pure/mixture):	Mixture
Color:	Clear/Colorless
Odor:	Mild odor
Molecular weight:	Not Available
pH:	8
Boiling point/range (5-95%):	Not Available
Melting point/range:	Not Available
Decomposition temperature:	Not Available
Specific gravity:	1.06
Vapor density:	Not Available
Vapor pressure:	Not Available
Evaporation rate (Butyl acetate= 1):	Not Available
Flash point, method used:	Not Available
Water solubility:	Completely soluble
VOC Content:	Not Available
Auto-ignition temperature:	Not Available
Flammable limits in air — lower (%):	Not Available
Flammable limits in air — upper (%):	Not Available

Section 10. STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions
Stability:	Stable under recommended storage conditions
Possibly hazardous reactions:	None under normal processing
Conditions to avoid:	Avoid excessive heating, freezing and chemical contamination.
Incompatible Materials:	Strong acids, oxidizers
Hazardous decomposition products:	No decomposition products are expected under normal storage and handling conditions.

Section 11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure:

Inhalation: No information available

Skin Contact: No information available

Eye Contact: No information available

Ingestion: No information available

Symptoms related to the physical, chemical and toxicological characteristics:

No information available

Delayed and chronic effects: No information available

Numerical measure of toxicity: Sodium Tetraborate

Component	Exposure	Species	Dose
Oral	LD50	Rat	>3200 mg/kg
Dermal	LD50	Rabbit	>2000 mg/kg

Toxicological effects of sodium tetraborate:

Acute Toxicity:

No information available.

Skin Corrosion/Irritation:

No information available.

Serious Eye Damage/Irritation:

No information available.

Respiratory Sensitization:

No information available.

Skin Sensitization:

No information available.

Germ Cell Mutagenicity:

No information available.

Carcinogenicity:

This product is considered to be a potential carcinogen by:

NTP: No

OSHA: No

IARC: No

Reproductive toxicity:

This product is known to cause reproductive and developmental effects.

STOT-single exposure:

No information available.

STOT-repeated exposure:

No information available.

Aspiration hazard:

This product is not an aspiration hazard.

Section 12. ECOLOGICAL INFORMATION

Eco-toxicity: Sodium Tetraborate

Component	Type	Species	Dose, Time	Time
Fish	LC50	Rainbow Trout	150 mg/B/l	24 days
Fish	LC50	Goldfish	178 mg/B/l	72 hrs.
Invertebrate	LC50	Daphnia Magna	133 mg/B/l	48 days

Persistence and degradability: Mixture: No information available

Bio accumulative potential: Mixture: No information available

Mobility in soil: Mixture: No information available

Other adverse effects: Mixture: No information available

Section 13. DISPOSAL CONSIDERATIONS

Cleanup considerations: Dispose of material in accordance with all federal, state and local regulations.

Contaminated packaging:
Triple rinse container and offer for recycling. Dispose of container following all federal, state and local regulations.

Section 14. TRANSPORT INFORMATION

D.O.T. (U.S.): Not Regulated

Section 15. REGULATORY INFORMATION

Federal regulations:

SARA 311/312 Hazard categories:

Immediate (Acute) Health Hazard

Delayed (Chronic) Health Hazard

None.

SARA 302 Extremely hazardous substance: Not listed

SARA 304 Emergency release notification: Not regulated

SARA 311/312 Hazardous chemical: No

SARA 313 Toxic Release Inventory (TRI) report: Not regulated

CERCLA Hazardous substance list: Not listed

Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA): This chemical is not a pesticide product.

Clean Air Act regulated substances: None

Clean Water Act regulated substances: None

U.S. Regulations: None

Canadian Regulations:

Canadian Ingredient Disclosure List substances: None listed.

WHMIS classification: sodium tetraborate, Class D-2A, Class D-2B

Section 16. OTHER INFORMATION

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