

SAFETY DATA SHEET

Boiler Compound

SECTION 01: IDENTIFICATION

Product identifier BOILER COMPOUND
Other means of identification
Recommended use Boiler Water Treatment
Recommended restrictions Reserved for industrial and professional use.
Manufacturer

Supplier's Name Extox Industries Inc.
Supplier's Address 6419 Netherhart Rd, Mississauga,
ON L5T 1C3

Emergency Tel: (905) 564-0904

SECTION 02: HAZARD(S) IDENTIFICATION

Hazard Classification Serious Eye Damage/Eye Irritation Category 2
Skin corrosion/irritation Category 2

Label elements



Signal Word Warning

Hazard Statement H315 Causes skin irritation
H319 Causes serious eye irritation

Precautionary Statement
P264: Wash hands thoroughly after handling.
P262: Do not get in eyes, on skin, or on clothing.
P303+361+353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310 Immediately call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.
P403+233: Store in a well ventilated place. Keep container tightly closed.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration %
Tetrapotassium pyrophosphate	7320-34-5	1-5
Potassium Hydroxide	1310-58-3	1-5

SECTION 04: FIRST-AID MEASURES

Inhalation Remove to fresh air. Get medical attention if symptoms occur.

Skin contact Wash off immediately with plenty of water. Wash clothing before reuse.

Eye If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

Ingestion Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Most important symptoms/effects, acute and delayed See Section 11 for more detailed information on health effects and symptoms.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media None known.

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Specific hazards arising from the chemical Not flammable or combustible.

Special protective equipment and precautions for firefighters Wear full protective equipment including a self-contained breathing apparatus.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes.

Methods and materials for containment and cleaning up

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container for disposal according to local / national regulations.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling Wear personal protective equipment. Avoid contact with skin and eyes. Wash hands thoroughly after handling.

Conditions for safe storage Keep out of reach of children. Store in suitable labeled containers. Store in a well-ventilated place.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits Overall Product: None established.

Ingredient: Potassium Hydroxide
Agency: ACGIH TLV, Limit Type: Ceiling: 2 mg/m³
Agency: OSHA PEL, Limit Type: (vacated) Ceiling: 2 mg/m³
Agency: NIOSH, Limit Type: Ceiling: 2 mg/m³

Appropriate Engineering Controls Use in a well ventilated area.

Personal Protective Equipment Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Gloves Latex Gloves

Respiratory Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

Eye Wear eye protection/face protection if splashing is likely.

Clothing No special protective clothing required.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Odour Mild odour

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Physical State	Liquid
Color	Brown
Odour Threshold	No data available.
pH	12.0-13.0
Freezing Point (°C)	0
Initial Boiling Point (°C)	>100
Flashpoint (°C)	No data available.
Evaporation Rate	No data available.
Flammability	No data available.
Lower Explosive Limit	No data available.
Upper Explosive Limit	No data available.
Lower Flammability Limit	No data available.
Upper Flammability Limit	No data available.
Vapour Pressure (mm)	No data available.
Vapour Density (Air = 1)	No data available.
Relative Density	>1.0
Solubility	Soluble
Partition coefficient (n-octanol/water)	No data available.

SECTION 10: STABILITY AND REACTIVITY

Auto Ignition Temp. (°C)	N/AP
Decomposition Temperature	No data available.
Viscosity	No data available.
Reactivity	This material is considered to be non reactive under normal use condition.
Chemical Stability	Stable under normal condition.

Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	Avoid high temperatures. Avoid contact with incompatible materials.
Incompatible Materials	Strong Oxidizing & Reducing Agents.
Hazardous Decomposition Products	Smoke and Fumes when heated to decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Skin Contact Eye Contact Ingestion
 Skin Absorption Inhalation

Toxicological Information

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Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation: Sprayed material may cause irritation of the respiratory system.

Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact: May cause irritation with local redness and swelling.

Eye Contact: May cause eye irritation which may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion: Nausea and stomach pain may occur.

Chronic Exposure : Health injuries are not known or expected under normal use.

Toxicity

Acute oral toxicity : no data available

Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

Skin corrosion/irritation : no data available

Serious eye damage/eye irritation : no data available

Respiratory or skin sensitization : no data available

Carcinogenicity : no data available

Reproductive effects : no data available

Germ cell mutagenicity : no data available

Teratogenicity : no data available

STOT - single exposure : no data available

STOT - repeated exposure : no data available

Aspiration toxicity : no data available

Numerical Measures Of Toxicity

Hazardous Ingredients	LD ₅₀ /LC ₅₀ Specify Species and Route
Potassium Hydroxide	LD50 (Oral, Rat) 365 mg/ kg
Tetrapotassium pyrophosphate	Dermal LD50 (rabbit): >4640 mg/kg.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity No data available.

Persistence and degradability No data available.

Bioaccumulative potential No data available.

Mobility in soil No data available

Other adverse effects No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods In accordance with municipal, provincial and federal regulations.

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SECTION 14: TRANSPORT INFORMATION

UN number Not regulated under TDG.

TDG Classification N/AP

Packing group N/AP

Special Shipping Instructions None.

SECTION 15: REGULATORY INFORMATION

Regulatory Information This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

SECTION 16: OTHER INFORMATION

N/AP = Not Applicable

N/AV = Not Available

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

GHS: Globally Harmonized System

HPR : Hazardous Products Regulations

IARC: International Agency for Research on Cancer

NIOSH: The National Institute for Occupational Safety and Health

NTP : National Toxicology Program

OSHA : United States Department of Labor - Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TWA: Time-Weighted-Average

Prepared By: Exttox Industries Inc.

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