

Material Safety Data Sheet

ECOLAB®

BOILERCARE 1011

Section 1. Chemical product and company identification

Trade name : BOILERCARE 1011
Product use : Water Treatment
Supplier : Ecolab Inc. Water Care Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-75-WATER
Code : 918094
Date of issue : 05-December-2007

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
sodium bisulfite	7631-90-5	3
sodium sulfite (2:1)	7757-83-7	5 - 20

Section 3. Hazards identification

Physical state : Liquid. [Liquid.]
Emergency overview : WARNING!

CAUSES SEVERE EYE IRRITATION.
CAUSES RESPIRATORY TRACT AND SKIN IRRITATION.
Contains an ingredient that can cause asthmatic-like reactions in sulfite-sensitive individuals.
Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist.
Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

Eyes : Severely irritating to eyes.
Skin : Irritating to skin.
Inhalation : Irritating to respiratory system. Contains an ingredient that can cause asthmatic-like reactions in sulfite-sensitive individuals.
Ingestion : Contains an ingredient that can cause asthmatic-like reactions in sulfite-sensitive individuals.
See toxicological information (section 11)

Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin contact : Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation : If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. If breathing is difficult, give oxygen. Get medical attention.
Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation persists, get medical attention.

Section 5. Fire fighting measures

- Flash point** : > 100°C
Product does not support combustion.
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.
Dike liquid for later disposal.
No specific hazard.
- 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.

Section 6. Accidental release measures

- Personal precautions** : Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Do not allow to enter drains or watercourses.
- 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).
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Section 7. Handling and storage

- Handling** : Do not ingest. Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Do not breathe vapor or mist. Wash thoroughly after handling.
- Storage** : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.
Do not store below the following temperature: 0°C

Section 8. Exposure controls, personal protection

- Engineering measures** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal protection :

- Eyes** : Wear eye protection.
- Hands** : Use chemical-resistant, impervious gloves.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : Avoid breathing vapors, spray or mists.

Name

sodium bisulfite

Exposure limits

ACGIH TLV (United States, 1/2007).

TWA: 5 mg/m³ 8 hour(s).

NIOSH REL (United States, 12/2001).

TWA: 5 mg/m³ 10 hour(s).

Section 9. Physical and chemical properties

- Physical state** : Liquid. [Liquid.]
- Color** : Colorless to light yellow.
- Odor** : Pungent.
- pH** : 7 to 7.5 [Conc. (% w/w): 100%]
- Boiling/condensation point** : >100°C (>212°F)

Specific gravity : 1.14 to 1.24
 Solubility : Easily soluble in cold water, hot water.

Section 10. Stability and reactivity

Stability : The product is stable.
 Reactivity : Highly reactive with acids.

Section 11. Toxicological information

Potential acute health effects

Eyes : Severely irritating to eyes.
 Skin : Irritating to skin.
 Inhalation : Irritating to respiratory system. Contains an ingredient that can cause asthmatic-like reactions in sulfite-sensitive individuals.
 Ingestion : Contains an ingredient that can cause asthmatic-like reactions in sulfite-sensitive individuals.

Potential chronic health effects

Chronic effects on humans : Contains material which may cause damage to the following organs: mucous membranes, upper respiratory tract, skin.

Section 12. Ecological information

Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. 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.

Consult your local or regional authorities.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	Not regulated.	-	-	-	Not available.

APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

HCS Classification : Irritating material
 Target organ effects
 U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: No products were found.
 SARA 302/304 emergency planning and notification: No products were found.
 TSCA 8(b) inventory : All materials are listed or exempt.
 California Prop. 65 : No products were found.

Section 16. Other information

Hazardous Material Information System (U.S.A.) :	Health	*	2
	Flammability		0
	Physical hazards		0

Date of issue : 05-December-2007.
Responsible name : Regulatory Affairs
Date of previous issue : 31-May-2006.

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.