


SOFT

1. IDENTIFICATION	
Product name	: SOFT
Product code	: 30-10048
Supplier	: Beachcomber Plus 13245 Comber Way Surrey, BC, V3W 5V8 Canada
Other means of identification	: Not available.
Manufacturer	: Manufactured for: JRS Distributors Inc. 13245 Comber Way Surrey, BC, V3W 5V8 Canada
Identified uses	: Consumer products: Pool & Spa water treatment product This MSDS is provided as information only. This product is not WHMIS regulated. This product is regulated under CCCR regulation. Packaged as a consumer good.
Uses advised against	: Only use this product as directed. Read label before using.
Date of issue (YYYY-MM-DD)	: 2017-08-21
In case of emergency : Emergency phone: CANUTEC (613) 996-6666 (Collect calls accepted)	

2. HAZARDS IDENTIFICATION	
Information in this section only concerns the product as supplied. Contact your account manager to get more information on diluted form hazards identification.	
Product Classification	: TOXIC TO REPRODUCTION (Fertility) (oral) - Category 1 TOXIC TO REPRODUCTION (Unborn child) (oral) - Category 1
Signal word	: Danger
Hazard pictograms	: 
Hazard statements	: May damage fertility or the unborn child if swallowed.
Precautionary statements	
General	: Read label before use. Keep out of reach of children.
Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves: < 1 hour (breakthrough time): Chemical-resistant, impervious gloves. Wear eye or face protection: Recommended: Safety Glasses. Wear protective clothing.
Response	: IF exposed or concerned: Get medical attention.
Storage	: Store in well-ventilated place.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: No additional information.
Other hazards which do not result in classification	: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : Mixture

Ingredient name	CAS number	% (w/w)
boric acid	10043-35-3	60 - 100
disodium tetraborate pentahydrate	12179-04-3	1 - 5

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

Description of required first aid measures

Eye contact	In case of contact with eyes, flush with fresh water. Check for and remove any contact lenses. Continue rinsing. Get medical attention. Get medical attention if irritation persist.
Skin contact	Wash contaminated clothing thoroughly with water before removing them, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention.
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.
Inhalation	Move victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. Maintain an open airway.

Most important symptoms/effects, acute and delayed

Eye contact	No specific symptoms under normal use conditions.
Skin contact	No specific symptoms under normal use conditions.
Ingestion	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Inhalation	No specific symptoms under normal use conditions.

Notes to physician Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See toxicological information (Section 11)

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	No specific fire or explosion hazard.
Hazardous thermal decomposition products	Decomposition products may include the following materials: metal oxide/oxides
Special fire-fighting procedures	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training.
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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Initiate spill response procedures if required.
Personal protection	Put on appropriate personal protective equipment (see Section 8).
Cleaning method	Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See Section 8 for additional information on hygiene measures.
Storage and Incompatibility	Store in accordance with local regulations. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep out of reach of children. Store away from incompatible materials (see Section 10).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Ingredient name	Exposure limits
boric acid	CA British Columbia Provincial (Canada, 2/2015). TWA: 2 mg/m ³ 8 hours. Form: Inhalable STEL: 6 mg/m ³ 15 minutes. Form: Inhalable CA Ontario Provincial (Canada, 1/2013). TWA: 2 mg/m ³ 8 hours. Form: Inhalable fraction STEL: 6 mg/m ³ 15 minutes. Form: Inhalable fraction
disodium tetraborate pentahydrate	CA British Columbia Provincial (Canada, 2/2015). TWA: 2 mg/m ³ 8 hours. Form: Inhalable STEL: 6 mg/m ³ 15 minutes. Form: Inhalable CA Ontario Provincial (Canada, 1/2013). TWA: 2 mg/m ³ 8 hours. Form: Inhalable fraction STEL: 6 mg/m ³ 15 minutes. Form: Inhalable fraction CA Alberta Provincial (Canada, 4/2009). Skin sensitizer. 8 hrs OEL: 1 mg/m ³ 8 hours. 15 min OEL: 3 ppm 15 minutes.

Appropriate engineering controls 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.

Individual protection measures

Eye/face protection	It is minimally suggested to wear safety glasses while using or handling this product.
Hands and Body protection	It is suggested to wear chemical-resistant gloves while using or handling this product.
Respiratory protection	It is suggested to wear dust-protection mask for prolonged or intense exposures.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid. [Powdered solid.]	pH	7 [Conc. (% w/w): 1%]	Flash point	[Product does not sustain combustion.]
Color	White.	Relative density	0.9	Melting point	Not available.
Odor	Apple-like.	Viscosity	Not available.	Boiling point	Not available.
Odor threshold	Not available.	Vapor pressure	Not available.	Fire point	: Not available.
Solubility in water	: Not available.	Vapor density	: Not available.	Evaporation rate	: Not available.
Decomposition temperature	: Not available.	Auto-ignition temperature	: Not available.		
Partition coefficient: n-octanol/water	: Not available.	Flammability (solid, gas)	: Not available.		
Lower and upper explosive (flammable) limits	: Not available.				

10. STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Incompatible materials	No specific data.
Conditions to avoid	No specific data.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.

Hazardous decomposition products Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Route of exposure Routes of entry anticipated: Oral, Inhalation.
Routes of entry not anticipated: Dermal.

Potential acute health effects **Symptoms**

Eye contact No known significant effects or critical hazards. No specific symptoms under normal use conditions.

Skin contact No known significant effects or critical hazards. No specific symptoms under normal use conditions.

Ingestion No known significant effects or critical hazards. Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Inhalation No known significant effects or critical hazards. No specific symptoms under normal use conditions.

Toxicity data

Product/ingredient name	Result	Species	Dose	Exposure
boric acid	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	2660 mg/kg	-
disodium tetraborate pentahydrate	LD50 Oral	Rat	3500 mg/kg	-
	LC50 Inhalation	Rat	>5 mg/l	4 hours
	Vapor			
	LD50 Dermal	Rat	2000 mg/kg	-
	LD50 Oral	Rat	3800 mg/kg	-

Information on toxicological effects

Mutagenicity No known significant effects or critical hazards.

Teratogenicity May damage the unborn child if swallowed.

Developmental effects No known significant effects or critical hazards.

Fertility effects May damage fertility if swallowed.

Sensitization Not available.

Carcinogenicity No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Ecotoxicity data

Product/ingredient name	Result	Species	Exposure
boric acid	Acute LC50 45.5 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia	48 hours
	Acute LC50 133 mg/l	Daphnia	48 hours
	Acute LC50 46 mg/l	Fish	72 hours
	Acute LC50 75 mg/l Marine water	Fish - Pagrus major	96 hours
	Chronic NOEC 6000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 2100 µg/l Fresh water	Fish - Oncorhynchus mykiss	87 days

Persistence and degradability : Unknown **Bioaccumulative potential** : Unknown **Mobility in soil** : Unknown **Other adverse effects** : Unknown

13. DISPOSAL CONSIDERATIONS

Disposal methods Dispose content and container in accordance with local, regional and national regulation in force.

14. TRANSPORT INFORMATION

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	TDG Placard
TDG Classification	Not regulated.	-	-	-	
Additional information See shipping documents for specific information on DOT, IMDG or IATA					

15. REGULATORY INFORMATION

Canadian lists	
Canadian NPRI	None of the components are listed.
CEPA Toxic substances	None of the components are listed.
Canada inventory	At least one component is not listed.
International lists	
United States	All components are listed or exempted.

16. OTHER INFORMATION

Hazardous Material Information System (U.S.A.)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #00b0f0; color: white;">Health Hazard</td> <td style="width: 20px;"></td> <td style="text-align: center; font-weight: bold;">1</td> </tr> <tr> <td style="background-color: #ff0000; color: white;">Fire Hazard</td> <td></td> <td style="text-align: center; font-weight: bold;">0</td> </tr> <tr> <td style="background-color: #ffff00;">Reactivity</td> <td></td> <td style="text-align: center; font-weight: bold;">0</td> </tr> <tr> <td style="background-color: #cccccc;">Personal Protection</td> <td></td> <td style="text-align: center; font-weight: bold;">E</td> </tr> </table>	Health Hazard		1	Fire Hazard		0	Reactivity		0	Personal Protection		E
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Date of issue/Date of revision (YYYY-MM-DD)	: 2017-08-21												
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Notice to reader

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