PROTECT CELL ULTRA 3 IN 1

1. IDENTIFICATION

Product name : PROTECT CELL ULTRA 3 IN 1

Product code : 30-07505

Other means of identification : Not available.

Supplier : Sani-Marc Inc.
42 rue de l'Artisan
Victoriaville, Qc
G6P 7E3
1-819-758-1541

Manufacturer : Sani-Marc Inc.
42 rue de l'Artisan
Victoriaville, Qc
G6P 7E3
1-819-758-1541

Identified uses : Consumer products: Pool & Spa water treatment product
This SDS is provided as information only. This product is not WHMIS regulated. This product is regulated under CCCR regulation.

Uses advised against : Only use this product as directed. Read label before using.

Date of issue (YYYY-MM-DD) : 2019-11-15

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 : EYE IRRITATION - Category 2B

Signal word : Warning

Hazard statements : Causes eye irritation.

Precautionary statements

General : Read label before use. Keep out of reach of children.

Prevention : Specific protective equipment is suggested for this product. See section 8 for details.

Response : Rinse with water. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : No specific measure needed. See section 7 for more information on handling and storage.

Disposal : No specific measure needed. See section 13 for waste disposal information.

Supplemental label elements : Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 5.9%
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 5.9%

Other hazards which do not result in classification : May form explosible dust-air mixture if dispersed. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : Mixture

Name	CAS number	% (w/w)
boric acid	10043-35-3	30 - 60
cyanuric acid	108-80-5	30 - 60
sodium tetraborate pentahydrate	12179-04-3	0.1 - 1

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

4. FIRST AID MEASURES

Description of required first aid measures

Eye contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. If irritation persists, get medical attention.

Skin contact Flush contaminated skin with plenty of water. Wash clothing before reuse. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Clean shoes thoroughly before reuse.

Ingestion Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Inhalation Move victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if adverse health effects persist or are severe. Maintain an open airway.

Most important symptoms/effects, acute and delayed

Eye contact Adverse symptoms may include the following:
irritation
watering
redness

Skin contact No specific symptoms under normal use conditions.

Ingestion No specific symptoms under normal use conditions.

Inhalation Adverse symptoms may include the following:
respiratory tract irritation
coughing

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 flooding quantities of water.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical May form explosible dust-air mixture if dispersed.

Hazardous thermal decomposition products Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

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 in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Ingredient name	Exposure limits
boric acid	**CA British Columbia Provincial (Canada, 6/2017).** TWA: 2 mg/m³ 8 hours. Form: Inhalable STEL: 6 mg/m³ 15 minutes. Form: Inhalable **CA Saskatchewan Provincial (Canada, 7/2013).** STEL: 6 mg/m³ 15 minutes. Form: Inhalable fraction TWA: 2 mg/m³ 8 hours. Form: Inhalable fraction **CA Ontario Provincial (Canada, 7/2015).** TWA: 2 mg/m³ 8 hours. Form: Inhalable fraction. STEL: 6 mg/m³ 15 minutes. Form: Inhalable fraction.
disodium tetraborate pentahydrate	**CA British Columbia Provincial (Canada, 6/2017).** TWA: 2 mg/m³ 8 hours. Form: Inhalable STEL: 6 mg/m³ 15 minutes. Form: Inhalable **CA Saskatchewan Provincial (Canada, 7/2013).** STEL: 6 mg/m³ 15 minutes. Form: Inhalable fraction TWA: 2 mg/m³ 8 hours. Form: Inhalable fraction **CA Ontario Provincial (Canada, 7/2015).** TWA: 2 mg/m³ 8 hours. Form: Inhalable fraction. STEL: 6 mg/m³ 15 minutes. Form: Inhalable fraction. **CA Alberta Provincial (Canada, 4/2009). Skin sensitizer.** 8 hrs OEL: 1 mg/m³ 8 hours. 15 min OEL: 3 ppm 15 minutes.

Appropriate engineering controls

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. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

Eye/face protection

If operating conditions cause high dust concentrations to be produced, use dust goggles. Continued or intense exposures might required to wear safety glasses.

Hands and Body protection

No specific protective equipment required under normal use conditions. Prolonged or severe exposures might require to wear chemical-resistant gloves.
No special protective clothing is required.

Respiratory protection

It is suggested to wear dust-protection mask for prolonged or intense exposures.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid. [Powder.]	**pH**	1.3 [Conc. (% w/w): 10%]	**Flash point**	Not available.
Color	White.	**Relative density**	Not available.	**Melting point**	Not available.
Odor	Odorless.	**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 Reactive or incompatible with the following materials:
oxidizing materials

Conditions to avoid Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.

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 Not available.

	Potential acute health effects	Symptoms
Eye contact	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes. May cause eye irritation.	Adverse symptoms may include the following: irritation watering redness
Skin contact	No known significant effects or critical hazards.	No specific symptoms under normal use conditions.
Ingestion	No known significant effects or critical hazards.	No specific symptoms under normal use conditions.
Inhalation	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.	Adverse symptoms may include the following: respiratory tract irritation coughing

Toxicity data

Product/ingredient name	Result	Species	Dose	Exposure
boric acid	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
disodium tetraborate pentahydrate	LC50 Inhalation Vapor	Rat	>5 mg/l	4 hours
	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 No known significant effects or critical hazards.

Developmental effects No known significant effects or critical hazards.

Fertility effects No known significant effects or critical hazards.

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 available.	Not available.	Not available.	-	

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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.)

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	A

Date of issue/Date of revision (YYYY-MM-DD) : 2019-11-15

Prepared by : **Regulatory Affairs Department**

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