

## SAFETY DATA SHEET

# CAL TAB 20

1. IDENTIFICATION						
Product name	:	CAL TAB 20				
Product code	:	30-24070	Other means of identification	:	Not available.	
Supplier	:	Chimie Internationales inc. 9585 ignace, Brossard, Qc, J4Y 2R4	Manufacturer	:	Manufactured for: Chimie Internationales inc. 9585 ignace, Brossard, Qc, J4Y 2R4	
Identified uses	:	Consumer products: Pool & Spa water treatment product This MSDS is provided as information only. The product is not WHIMS regulated. The product is regulated under the PCP act and packaged as a consumer product.	Uses advised against	:	Only use this product as directed. Read label before using.	
Date of issue (YYYY-M		D) : 2016-11-03 e of emergency : Emergency phone	e: CANUTEC (613) 996-66	666	6 (Collect calls accepted)	

2. HAZARDS IDENTIFICATION						
Information in t	nis section only concerns the product as supplied. Contact your account manager to get more information on diluted form hazards identification.					
Product Classification	: OXIDIZING SOLIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1					
Signal word	: Danger Hazard pictograms :					
Hazard statements	: May intensify fire; oxidizer. May cause severe eye damage. May be harmful if swallowed May cause skin irritation.					
Precautionary stateme	<u>nts</u>					
General	: Corrosive material. May intensify fire; oxidizer. Handle with care. Read label before use. Keep out of reach of children.					
Prevention	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Keep away from combustible material. Specific protective equipment is suggested for this product. See section 8 for details.					
Response	: IF SWALLOWED: Rinse mouth. IF ON SKIN: Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. Rinse with water. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.					
Storage	: No specific measure needed. See section 7 for more information on handling and storage.					
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.					
Supplemental label ele	ments : No additional information.					
Other hazards which de classification	o not result in : None known.					



3. COMPOSITION/INFORMATION ON INGREDIENTS						
Substance/mixture : Mixture						
Ingredient name	CAS number	% (w/w)				
calcium hypochlorite	7778-54-3	60 - 100				
Cccupational exposure limits, if available, are liste	ed in Section 8.					

4. FIRST AID MEASURES				
Description of requir	ed first aid measures			
Eye contact	In case of contact with eyes, flush with fresh water. Check for and remove any contact lenses. Continue rinsing. If irritation persists, get medical attention. Chemical burns must be treated promptly by a physician. Get medical attention if blistering occurs or redness persists. Get medical advice/attention. Get medical attention if irritation persist.			
Skin contact	Remove contaminated clothing and wash it before reuse. Chemical burns must be treated promptly by a physician. Get medical attention if blistering occurs or redness persists. Get medical attention if irritation occur.			
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Chemical burns must be treated promptly by a physician. Get medical attention if symptoms occur. Get medical attention if you feel unwell.			
Inhalation	Move victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Get medical attention if adverse health effects persist or are severe. Maintain an open airway.			
Most important symp	toms/effects, acute and delayed			
Eye contact	Adverse symptoms may include the following: pain watering redness			
Skin contact	Adverse symptoms may include the following: pain or irritation redness blistering may occur			
Ingestion	Adverse symptoms may include the following: stomach pains nausea or vomiting headache diarrhea			
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 info	ormation (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	Oxidizing material. May intensify fire. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.			
Hazardous thermal decomposition	n products Decomposition products may include the following materials: carbon dioxide carbon monoxide 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 t fighters	fire- 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 precautionsNo action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and<br/>unprotected personnel from entering. Do not touch or walk through spilled material. Initiate spill response procedures if required.Personal protectionPut on appropriate personal protective equipment (see Section 8).Cleaning methodContain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in<br/>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 Store in accordance with local regulations. Separate from reducing agents and combustible 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. Keep out of reach of children. Store away from incompatible materials (see Section 10).

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	
None.	
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	Continued or severe exposures might required to wear a face shield or chemical splash goggles. It is minimally suggested to wear safety glasses while using or handling this product.
Hands and Body protection	It is suggested to wear chemical-reisitant 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.	рН	10.4 [Conc. (% w/w): 1%]	Flash point	[Product does not sustain combustion.]
Color	White.	Relative density	Not available.	Melting point	Not available.
Odor	Chlorine	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 temperat	ture : Not available		Auto-ignition temperature	: Not available.	
Partition coefficient: n-o	octanol/ : Not available		Flammability (solid, gas)	: Not available.	
Lower and upper explosiv	e (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.
	Reactive or incompatible with the following materials: acids combustible materials reducing materials
Conditions to avoid	No specific data.



#### Possibility of hazardous reactions

Hazardous reactions or instability may occur under certain conditions of storage or use. Conditions may include the following: contact with combustible materials Reactions may include the following: risk of causing or intensifying fire

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 a Routes of entry no						
				Symptoms			
Eye contact				Adverse symptoms may include the following: pain watering redness			
Skin contact				Adverse symptoms may include the following: pain or irritation redness blistering may occur			
Ingestion	Harmful if swallowed. May cause burns to mouth, throat and stomach.		Adverse symptoms may include the following: stomach pains nausea or vomiting headache diarrhea				
				diarrhea			
Inhalation	No known signifi	cant effects or c	ritical hazards.		ptoms under normal use conditions.		
Inhalation Toxicity data	No known signifi	cant effects or c	ritical hazards.		ptoms under normal use conditions.		
		cant effects or c Result	ritical hazards. Species		ptoms under normal use conditions.		
Toxicity data				No specific sym			
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#### **12. ECOLOGICAL INFORMATION**

Product/ingredient name	Result	Species	Exposure
calcium hypochlorite	Acute EC50 0.26 mg/dm3 Fresh water	Algae - Scenedesmus quadricauda	72 hours
	Acute EC50 0.073 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 55 µg/l Marine water	Crustaceans - Panopeus herbstii - Larvae	48 hours
	Acute LC50 23 µg/l Fresh water	Fish - Osmerus mordax - Fry	96 hours



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			
2880	UN 2880 CALCIUM HYPOCHLORITE, HYDRATED MIXTURE	5.1	II				
roduct classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.23-2.25 (Class 5).							
	2880 he following section	UN number     UN proper shipping name       2880     UN 2880 CALCIUM HYPOCHLORITE, HYDRATED MIXTURE       he following sections of the Transportation of Dangerous O	UN number         UN proper shipping name         Transport hazard class (es)           2880         UN 2880 CALCIUM HYPOCHLORITE,         5.1           HYDRATED MIXTURE         5.1           he following sections of the Transportation of Dangerous Goods Regulations: 2.23-2.25	UN number       UN proper shipping name       Transport hazard class       Packing group         2880       UN 2880 CALCIUM HYPOCHLORITE, HYDRATED MIXTURE       5.1       II         he following sections of the Transportation of Dangerous Goods Regulations: 2.23-2.25 (Class 5).       Class 5).			

#### **15. REGULATORY INFORMATION**

<u>Canadian lists</u>	
Canadian NPRI	None of the components are listed.
CEPA Toxic substances	None of the components are listed.

Canada inventory All components are listed or exempted.

International lists

**United States** All components are listed or exempted.

16. OTHER INFORMATION			
Hazardous Material	I Information System (U.S.A.)	Health Hazard	2
		Fire Hazard	0
		Reactivity	1
		Personal Protection	F
Date of issue/Date DD)	of revision (YYYY-MM- : 2016	-11-03	
Prepared by : Regulatory Affairs Department			
	Chimie Internationales inc. 9585 ignace, Brossard, Qc, J4Y 2R4		

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with

caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

