

# Sodium Thiosulfate Pentahydrate

1. IDENTIFICATION			
Product name	: <b>Sodium Thiosulfate Pentahydrate</b>		
Product code	: 50-06000	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	: Industrial applications: Industrial chemical	Uses advised against	: Only use this product as directed. Read label before using.
Date of issue (YYYY-MM-DD)	: 2018-06-21		
<p><b>In case of emergency : Emergency phone: CANUTEC (613) 996-6666 (Collect calls accepted)</b></p>			

2. HAZARDS IDENTIFICATION	
<p>Information in this section only concerns the product as supplied. Contact your account manager to get more information on diluted form hazards identification.</p>	
Product Classification	: Not classified.
Signal word	: No signal word.
Hazard statements	: No known significant effects or critical hazards.
<u>Precautionary statements</u>	
General	: Read label before use. Keep out of reach of children.
Prevention	: No specific measure needed. See Section 8 for more information.
Response	: No special measure needed. See section 4 for more informations.
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	: No additional information.
Other hazards which do not result in classification	: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS		
Substance/mixture	: Substance	
Ingredient name	CAS number	% (w/w)
No hazardous ingredient		
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 if irritation persists.
Skin contact	In case of irritation, rinse with water. Get medical attention if irritation persists.
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 symptoms occur.

##### 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	No specific symptoms under normal use conditions.
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: 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.
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. 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

Good general ventilation should be sufficient to control worker exposure to airborne contaminants that could arise from the use of this product.

### 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.	pH	8.1	Flash point	[Product does not sustain combustion.]
Color	Colorless.	Relative density	Not available.	Melting point	45°C (113°F)
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	: >100°C (>212°F)	Auto-ignition temperature	: Not available.		
Partition coefficient: n-octanol/water	: Not available.	Flammability (solid, gas)	: Flammable in the presence of the following materials or conditions: heat and oxidizing materials.		
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, Dermal, Inhalation.	
	<u>Potential acute health effects</u>	<u>Symptoms</u>
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.	No specific symptoms under normal use conditions.
Inhalation	No known significant effects or critical hazards.	No specific symptoms under normal use conditions.

### Toxicity data

Product/ingredient name	Result	Species	Dose	Exposure
Thiosulfuric acid (H <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ), sodium salt, hydrate (1:2:5)	LD50 Oral	Rat	8000 mg/kg	-
Sodium Thiosulfate Pentahydrate	LD50 Oral	Rat	8000 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
Sodium Thiosulfate Pentahydrate	Acute LC50 24000 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours

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.)

Health Hazard	*	1
Fire Hazard		0
Reactivity		0
Personal Protection		B

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