

KLEAN SURFACE

1. IDENTIFICATION

Product name : **KLEAN SURFACE**

Product code : **30-07000** **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 and Spa Cleaning solutions. **Uses advised against** : Only use this product as directed. Read label before using.

This SDS is provided as information only. This product is not WHMIS regulated. This product is regulated under CCCR regulation. This product is packaged, labelled and supplied as a consumer good.

Date of issue (YYYY-MM-DD) : 2019-11-19

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 : ACUTE TOXICITY (oral) - Category 4
ACUTE TOXICITY (inhalation) - Category 2
SKIN CORROSION - Category 1
SERIOUS EYE DAMAGE - Category 1
Health Hazards Not Otherwise Classified - Category 1

Signal word : Danger **Hazard pictograms** :  

Hazard statements : Fatal if inhaled.
Harmful if swallowed.
Causes digestive tract burns.
Causes severe respiratory tract burns.
Causes severe skin burns and eye damage.

Precautionary statements

General : Corrosive material. Handle with care. Read label before use. Keep out of reach of children.

Prevention : Wear respiratory protection. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Specific protective equipment is suggested for this product. See section 8 for details. Do not breathe dust or mist.

Response : IF INHALED: Move person to fresh air and keep comfortable for breathing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Rinse with water. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. In any case of exposure, get medical attention if symptoms appear or are severe.

Storage : Store locked up. Store in an appropriate location.

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

Chemical name : Hydrochloric acid

Name	CAS number	% (w/w)
Hydrochloric acid	7647-01-0	10 - 30

Note: 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. If irritation persists, get medical attention. Chemical burns must be treated promptly by a physician. Get medical attention if blistering occurs or redness persists.

Skin contact : Rinse with water. Wash contaminated skin with soap and water. 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.

Ingestion : Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention. Chemical burns must be treated promptly by a physician.

Inhalation : Get medical attention immediately. Call a poison center or physician. 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. Maintain an open airway.

Most important symptoms/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 : 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 an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
halogenated compounds

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. Separate from alkalis. 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
Hydrochloric acid	CA Alberta Provincial (Canada, 4/2009). C: 3 mg/m ³ C: 2 ppm CA British Columbia Provincial (Canada, 6/2017). C: 2 ppm CA Ontario Provincial (Canada, 7/2015). C: 2 ppm CA Quebec Provincial (Canada, 1/2014). STEV: 5 ppm 15 minutes. STEV: 7.5 mg/m ³ 15 minutes. CA Saskatchewan Provincial (Canada, 7/2013). CEIL: 2 ppm

- Appropriate engineering controls** : Use only with adequate ventilation. 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 require 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-resistant gloves while using or handling this product. No special protective clothing is required.
- Respiratory protection** : No specific protective equipment required under normal use conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid. [Fuming liquid.]	pH : 0.75	Flash point : [Product does not sustain combustion.]
Color : Colorless. Yellowish.	Relative density : Not available.	Melting point : Not available.
Odor : Pungent. [Strong]	Viscosity : Kinematic (room temperature): 0.013 cm ² /s (1.3 cSt)	Boiling point : 109.85°C (229.7°F)
Odor threshold : Not available.	Vapor pressure : 3.2 kPa (24 mm Hg) [room temperature]	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 alkali.
- Conditions to avoid** : No specific data.
- Possibility of hazardous reactions** : May cause an exothermic reaction in presence of alkali.
- 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	: May cause eye burn	Adverse symptoms may include the following: pain watering redness
Skin contact	: May cause skin burns	Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Harmful if swallowed. Corrosive to the digestive tract. Causes burns. May cause burns to mouth, throat and stomach.	Adverse symptoms may include the following: stomach pains nausea or vomiting headache diarrhea
Inhalation	: Fatal if inhaled. Inhalation of vapors or mist may cause respiratory tract irritation.	Adverse symptoms may include the following: respiratory tract irritation coughing

Toxicity data

Product/ingredient name	Result	Species	Dose	Exposure
Hydrochloric acid	LC50 Inhalation Vapor	Rat	3214 ppm	1 hours
	LC50 Inhalation Vapor	Rat	1562 ppm	4 hours
	LD50 Dermal	Rabbit	5010 mg/kg	-
	LD50 Oral	Rat	700 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
Hydrochloric acid	Acute LC50 240000 µg/l Marine water	Crustaceans - Carcinus maenas - Adult	48 hours
	Acute LC50 178 mg/l Fresh water	Fish	2 hours
Hydrochloric acid	Acute LC50 282 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
	Acute LC50 240000 µg/l Marine water	Crustaceans - Carcinus maenas - Adult	48 hours
	Acute LC50 282 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	UN1789	HYDROCHLORIC ACID (Hydrochloric acid)	8	II	

Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.40-2.42 (Class 8).
Special provisions Limited quantity index 1L

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 : All components are listed or exempted.

International lists

United States : All components are listed or exempted.

16. OTHER INFORMATION

Hazardous Material Information System (U.S.A.) :

Health Hazard	*	3
Fire Hazard		0
Reactivity		1
Personal Protection		

Date of issue/Date of revision (YYYY-MM-DD) : 2019-11-19

Prepared by : Regulatory Affairs Department

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Notice to reader

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