

# FLEXIGEL

## 1. IDENTIFICATION

Product name : **FLEXIGEL**

Product code : **05-10565** 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 : Not available. Uses advised against : Not available.

Date of issue (YYYY-MM-DD) : 2023-03-17

**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 : SKIN CORROSION - Category 1  
SERIOUS EYE DAMAGE - Category 1

Signal word : Danger

Hazard pictograms :



Hazard statements : Causes severe skin burns and eye damage.

### Precautionary statements

Prevention : Wear protective gloves: < 1 hour (breakthrough time): Chemical-resistant, impervious gloves . Wear protective clothing: Recommended: safety apron. Wear eye or face protection: Recommended: Safety Glasses. Wash thoroughly after handling.

Response : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Storage : Store locked up.

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

Name	CAS number	% (w/w)
sodium xylenesulphonate	1300-72-7	5 - 10
disodium metasilicate	6834-92-0	5 - 10
N,N-dimethyltetradecylamine N-oxide	3332-27-2	1 - 5
potassium nitrate	7757-79-1	1 - 5
dodecylbenzenesulphonic acid	27176-87-0	1 - 5
etidronic acid	2809-21-4	1 - 5

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

#### 4. FIRST AID MEASURES

##### Description of required first aid measures

<b>Eye contact</b>	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.
<b>Skin contact</b>	Rinse with 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.
<b>Ingestion</b>	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.
<b>Inhalation</b>	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 symptoms/effects, acute and delayed

<b>Eye contact</b>	Adverse symptoms may include the following: pain watering redness
<b>Skin contact</b>	Adverse symptoms may include the following: pain or irritation redness blistering may occur
<b>Ingestion</b>	Adverse symptoms may include the following: stomach pains
<b>Inhalation</b>	Adverse symptoms may include the following: respiratory tract irritation coughing
<b>Notes to physician</b>	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

<b>Suitable extinguishing media</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides phosphorus oxides metal oxide/oxides
<b>Special fire-fighting procedures</b>	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.
<b>Special protective equipment for fire-fighters</b>	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

<b>Personal precautions</b>	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.
<b>Personal protection</b>	Put on appropriate personal protective equipment (see Section 8).
<b>Cleaning method</b>	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

<b>Handling</b>	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.
<b>Storage and Incompatibility</b>	Store in accordance with local regulations. Separate from acids. 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
sodium hydroxide	CA Alberta Provincial (Canada, 4/2009). Skin sensitizer. C: 2 mg/m <sup>3</sup> CA British Columbia Provincial (Canada, 6/2017). C: 2 mg/m <sup>3</sup> CA Ontario Provincial (Canada, 7/2015). C: 2 mg/m <sup>3</sup> CA Quebec Provincial (Canada, 1/2014). STEV: 2 mg/m <sup>3</sup> 15 minutes. CA Saskatchewan Provincial (Canada, 7/2013). CEIL: 2 mg/m <sup>3</sup>

**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-resistant gloves while using or handling this product.  
It is suggested to wear safety apron while using or handling this product.

**Respiratory protection** No specific protective equipment required under normal use conditions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid.	<b>pH</b>	12.9	<b>Flash point</b>	Not available.
<b>Color</b>	Yellow.	<b>Relative density</b>	1.1	<b>Melting point</b>	Not available.
<b>Odor</b>	Characteristic.	<b>Viscosity</b>	Not available.	<b>Boiling point</b>	Not available.
<b>Odor threshold</b>	Not available.	<b>Vapor pressure</b>	Not available.	<b>Fire point</b>	: Not available.
<b>Solubility in water</b>	: Not available.	<b>Vapor density</b>	: Not available.	<b>Evaporation rate</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.	<b>Auto-ignition temperature</b>	: Not available.		
<b>Partition coefficient: n-octanol/water</b>	: Not applicable.	<b>Flammability (solid, gas)</b>	: Not available.		
<b>Lower and upper explosive (flammable) limits</b>	: Not available.				

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	The product is stable.
<b>Incompatible materials</b>	Reactive or incompatible with acids.
<b>Conditions to avoid</b>	No specific data.
<b>Possibility of hazardous reactions</b>	May cause an exothermic reaction in presence of acids.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

<b>Route of exposure</b>	Routes of entry anticipated: Oral, Dermal, Inhalation.	
	<u>Potential acute health effects</u>	<u>Symptoms</u>
<b>Eye contact</b>	May cause eye burn	Adverse symptoms may include the following: pain watering redness
<b>Skin contact</b>	May cause skin burns	Adverse symptoms may include the following: pain or irritation redness blistering may occur
<b>Ingestion</b>	May cause burns to mouth, throat and stomach.	Adverse symptoms may include the following: stomach pains
<b>Inhalation</b>	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
disodium metasilicate	LD50 Oral	Rat	1153 mg/kg	-
Dodecylbenzenesulphonic acid (C12)	LD50 Oral	Rat	890 mg/kg	-
etidronic acid	LD50 Dermal	Rabbit	7940 mg/kg	-
	LD50 Oral	Rat	2000 mg/kg	-

### Information on toxicological effects

<b>Mutagenicity</b>	No known significant effects or critical hazards.
<b>Teratogenicity</b>	No known significant effects or critical hazards.
<b>Developmental effects</b>	No known significant effects or critical hazards.
<b>Fertility effects</b>	No known significant effects or critical hazards.
<b>Sensitization</b>	Not available.
<b>Carcinogenicity</b>	No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity data

Product/ingredient name	Result	Species	Exposure
disodium metasilicate	Acute EC50 33.53 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
etidronic acid	Acute LC50 2320 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
	Acute LC50 527 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 368 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
sodium hydroxide	Acute EC50 40.38 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 125 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
<b>TDG Classification</b>	UN3267	Corrosive liquid, basic, organic, n. o.s. (disodium metasilicate)	8	III	

Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.40-2.42 (Class 8).

### 15. REGULATORY INFORMATION

[Canadian lists](#)

Canadian NPRI                      The following components are listed: nitrate ion

CEPA Toxic substances            None of the components are listed.

Canada inventory                    All components are listed or exempted.

[International lists](#)

United States    Not determined.

### 16. OTHER INFORMATION

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

Health Hazard	0
Fire Hazard	0
Reactivity	0
Personal Protection	

Date of issue/Date of revision (YYYY-MM-DD) : 2023-03-17

Prepared by : Regulatory Affairs Department  
Sani-Marc Inc.  
42 rue de l'Artisan  
Victoriaville, Qc  
G6P 7E3  
1-819-758-1541

[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.