

**SECTION 1: Identification**

**1.1. Product identifier**

Product name : SANIDINE  
Product code : 1100600

**1.2. Recommended use and restrictions on use**

Recommended use : Dish machine cleaner  
Restrictions on use : Food Plant, Industrial and Institutional use only

**1.3. Supplier**

Project Clean Inc.  
12 James St N, Suite 201A  
Hamilton, Ontario L8R 2J9  
T 1 800 663 9925  
[regulatory@projectclean.com](mailto:regulatory@projectclean.com) - [www.projectclean.ca](http://www.projectclean.ca)

**1.4. Emergency telephone number**

Country	Organisation/Company	Address	Emergency number	Comment
Canada	CHEMTREC Chemical Emergency	www.chemtrec.com	1 800 424 9300	24hr/day 7days/week within USA and Canada
Canada	CANUTEC Transportation Emergency	www.canutec.com	1 888 226 8832 *666 on a cell phone	24hr/day 7days/week within USA and Canada

**SECTION 2: Hazard identification**


**2.1. Classification of the substance or mixture**

**Classification (GHS CA)**

Corrosive to metals, Category 1 H290 May be corrosive to metals.  
Skin corrosion/irritation, Category 1 H314 Causes severe skin burns and eye damage.  
Serious eye damage/eye irritation, Category 1 H318 Causes serious eye damage.  
Full text of H-statements: see section 16

**2.2. GHS Label elements, including precautionary statements**

**GHS CA labelling**

Hazard pictograms (GHS CA) : 

Signal word (GHS CA) : Danger

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according to the Hazardous Products Regulation (February 11, 2015)

Hazard statements (GHS CA)	: H290 - May be corrosive to metals. H314 - Causes severe skin burns and eye damage. H318 - Causes serious eye damage.
Precautionary statements (GHS CA)	: P234 - Keep only in original container. P260 - Do not breathe fume, gas, mist, vapours, or spray. P264 - Wash hands and affected areas thoroughly after handling. P280 - Wear protective gloves, protective clothing, and eye protection. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor. P321 - Specific treatment (see supplemental first aid instruction on the product SDS). P363 - Wash contaminated clothing before reuse. P390 - Absorb spillage to prevent material damage. P405 - Store locked up. P406 - Store in corrosive resistant container with a resistant inner liner. P501 - Dispose of contents and or container to hazardous or special waste collection point, in accordance with local, regional, national and or international regulation.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS CA)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	% w/w
Phosphoric acid	Orthophosphoric acid	CAS-No.: 7664-38-2	3 - 7

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Name	Chemical name / Synonyms	Product identifier	% w/w
Polyethoxy alkylaril iodine complex	.alpha.-(Nonylphenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) compd. with iodine	CAS-No.: 11096-42-7	3 - 7
Ethoxylated propoxylated alcohols (C=12-14)	Ethoxylated propoxylated alcohols (C=12-14)	CAS-No.: 68439-51-0	1 - 5
Sodium xylenesulphonate	Benzene sulfonic acid, dimethyl-, sodium salt	CAS-No.: 1300-72-7	0.5 - 1.5

\*The exact concentrations have been withheld as a trade secret. Les concentrations exactes ont été retenues en tant que secret commercial.

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water or shower. Take off immediately all contaminated clothing. Call a physician immediately.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.
- First-aid measures general : Call a physician immediately.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after skin contact : Burns.
- Symptoms/effects after eye contact : Serious damage to eyes.
- Symptoms/effects after ingestion : Burns.
- Chronic symptoms : No effects known.
- Expected Symptoms/Effects, Acute and Delayed : Causes serious eye irritation. Irritating to the digestive tract. May cause burns. May cause skin irritation, dermatitis, or skin burns.

#### 4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Unsuitable extinguishing media

No additional information available

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### 5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

General measures : Avoid contact with skin and eyes. Do not handle until all safety precautions have been read and understood. Clean up any spills as soon as possible, using an absorbent material to collect it.

### 6.1.1. For non-emergency personnel

Protective equipment : Chemical goggles or face shield with safety glasses. Protective clothing (EN 14605 or EN 13034). Standard EN 374 - Protective gloves against chemicals.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe fume, mist, vapours, or spray.

### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls or personal protection".

Emergency procedures : Ventilate area. Evacuate unnecessary personnel. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe fume, mist, vapours, or spray. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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Additional hazards when processed : Do not allow contact with water.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in corrosive resistant container with a resistant inner liner. Keep only in original container. Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong oxidizing agents. Strong reducing agents. Strong bases. Sulfur trioxide, stabilized. phosphorus pentoxide.

Incompatible materials : Metals. fluorine.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>Phosphoric acid (7664-38-2)</b>	
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Phosphoric acid
OSHA PEL TWA [1]	1 mg/m <sup>3</sup>
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

<b>Materials for protective clothing:</b>
Nitrile rubber/PVC
<b>Hand protection:</b>
Protective gloves
<b>Eye protection:</b>
Safety glasses
<b>Skin and body protection:</b>
Wear suitable protective clothing

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### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Opaque. Liquid.
Colour	: brown
Odour	: antiseptic Odour
Odour threshold	: No data available
pH	: 1.5 – 3
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: > 100 °C
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: No data available
Upper and lower flammability or explosive limit	: Not flammable, Not applicable
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: 1 – 1.1
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: slightly viscous liquid
Explosive properties	: Not explosive.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: metals. Strong oxidizing agents. Strong reducing agents.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

<b>SANIDINE</b>	
LD50 oral rat	7930 mg/kg
LD50 dermal rat	54043 mg/kg
<b>Phosphoric acid (7664-38-2)</b>	
LD50 oral rat	3500 mg/kg Source: ECHA
LD50 dermal rabbit	2740 mg/kg Source: ECHA
ATE CA (oral)	3500 mg/kg bodyweight
ATE CA (Dermal)	2740 mg/kg bodyweight
<b>Ethoxylated propoxylated alcohols (C=12-14) (68439-51-0)</b>	
LD50 oral rat	3530 mg/kg Source: e-Chemportal
ATE CA (oral)	3530 mg/kg bodyweight
<b>Sodium xylenesulphonate (1300-72-7)</b>	
LD50 oral rat	> 7000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Experimental value, Dermal, 14 day(s))

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<b>Sodium xylenesulphonate (1300-72-7)</b>	
LC50 Inhalation - Rat	> 6.41 mg/l (Equivalent or similar to OECD 403, 232 minutes, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))
<b>Polyethoxy alkylarl iodine complex (11096-42-7)</b>	
ATE CA (oral)	500 mg/kg bodyweight

Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Likely routes of exposure	: Skin and eyes contact. Inhalation. Ingestion.
Expected Symptoms/Effects, Acute and Delayed	: Causes serious eye irritation. Irritating to the digestive tract. May cause burns. May cause skin irritation, dermatitis, or skin burns.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.
Chronic symptoms	: No effects known.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

<b>SANIDINE</b>	
Partition coefficient n-octanol/water (Log Pow)	No data available
<b>Phosphoric acid (7664-38-2)</b>	
LC50 - Fish [1]	75.1 mg/l Source: ECHA
EC50 - Crustacea [1]	100 mg/l Source: ECHA
EC50 72h - Algae [1]	> 100 mg/l Source: ECHA



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<b>Ethoxylated propoxylated alcohols (C=12-14) (68439-51-0)</b>	
LC50 - Fish [1]	0.7 – 5.7 mg/l Source: HSNO
EC50 - Crustacea [1]	0.29 – 270 mg/l Source: HSNO
Partition coefficient n-octanol/water (Log Pow)	5.96 Source: EPISUITE
<b>Sodium xylenesulphonate (1300-72-7)</b>	
LC50 - Fish [1]	> 1000 mg/l (EPA OTS 797.1400, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	> 1000 mg/l (EPA OTS 797.1300, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 96h - Algae [1]	≥ 230 mg/l (EPA OTS 797.1050, Selenastrum capricornutum, Static system, Fresh water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	-3.12 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.42 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

### 12.2. Persistence and degradability

#### SANIDINE

Persistence and degradability

Contains readily biodegradable component(s).

<b>Phosphoric acid (7664-38-2)</b>	
Persistence and degradability	Biodegradability: not applicable.
<b>Sodium xylenesulphonate (1300-72-7)</b>	
Persistence and degradability	Readily biodegradable in water.

### 12.3. Bioaccumulative potential

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Bioaccumulative potential

Bioaccumulation: not applicable.

Partition coefficient n-octanol/water (Log Pow)

No data available

<b>Phosphoric acid (7664-38-2)</b>	
Bioaccumulative potential	No test data of component(s) available.

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<b>Ethoxylated propoxylated alcohols (C=12-14) (68439-51-0)</b>	
Partition coefficient n-octanol/water (Log Pow)	5.96 Source: EPISUITE
<b>Sodium xylenesulphonate (1300-72-7)</b>	
Bioaccumulative potential	Not bioaccumulative.
Partition coefficient n-octanol/water (Log Pow)	-3.12 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.42 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

### 12.4. Mobility in soil

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Ecology - soil No (test) data on mobility of the substance available.

Partition coefficient n-octanol/water (Log Pow) No data available

<b>Phosphoric acid (7664-38-2)</b>	
Ecology - soil	Highly mobile in soil.
<b>Ethoxylated propoxylated alcohols (C=12-14) (68439-51-0)</b>	
Mobility in soil	13530 Source: EPISUITE
Partition coefficient n-octanol/water (Log Pow)	5.96 Source: EPISUITE
<b>Sodium xylenesulphonate (1300-72-7)</b>	
Surface tension	71 mN/m (20 °C, 90 %, EU Method A.5: Surface tension)
Ecology - soil	Highly mobile in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.42 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	-3.12 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)

### 12.5. Other adverse effects

Ozone : Not classified

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### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

- Regional waste regulation : All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory.
- Waste treatment methods : Dispose of contents and or container in accordance with licensed collector's sorting instructions.
- Product/Packaging disposal recommendations : Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available or puncture and dispose of in a sanitary landfill.
- Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

#### 14.1. UN number

UN-No. (TDG) : UN1805

#### 14.2. UN proper shipping name

Proper Shipping Name (TDG) : PHOSPHORIC ACID, SOLUTION  
Transport document description (TDG) : UN1805 PHOSPHORIC ACID, SOLUTION, 8, III

#### 14.3. Transport hazard class(es)

##### TDG

Transport hazard class(es) (TDG) : 8  
Hazard labels (TDG) : 8

#### 14.4. Packing group

Packing group (TDG) : III

#### 14.5. Environmental hazards

Other information : No supplementary information available.

#### 14.6. Special precautions for user

##### TDG

UN-No. (TDG) : UN1805  
Explosive Limit and Limited Quantity Index : 5 L  
Excepted quantities (TDG) : E1  
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 5 L  
Emergency Response Guide (ERG) Number : 154

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. National regulations

##### Phosphoric acid (7664-38-2)

Listed on the Canadian DSL (Domestic Substances List)

##### Ethoxylated propoxylated alcohols (C=12-14) (68439-51-0)

Listed on the Canadian DSL (Domestic Substances List)

##### Sodium xylenesulphonate (1300-72-7)

Listed on the Canadian DSL (Domestic Substances List)

##### Polyethoxy alkylarl iodine complex (11096-42-7)

Listed on the Canadian DSL (Domestic Substances List)

#### 15.2. International regulations

##### Phosphoric acid (7664-38-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

##### Ethoxylated propoxylated alcohols (C=12-14) (68439-51-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

##### Sodium xylenesulphonate (1300-72-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

##### Polyethoxy alkylarl iodine complex (11096-42-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

### SECTION 16: Other information

Issue date : 12/14/2023

#### Full text of H-statements:

H290	May be corrosive to metals.
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Full text of H-statements:	
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean Inc. will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.