

SAFETY DATA SHEET

Hydrochloric Acid 1 N Solution

Section 1. Identif	fication
GHS product identifier	: Hydrochloric Acid 1 N Solution
Product code	: 59B006, 53L160
SDS no.	: L-145E
Product type	: Liquid.
Relevant identified uses of	f the substance or mixture and uses advised against
Identified uses	: Not available.
Manufacturer	: Walter Surface Technologies Inc. Bio-Circle – A Division of Walter Surface Technologies Inc. 5977 Trans Canada Highway Pointe-Claire, QC H9R 1C1 Canada info@walter.com www.walter.com General Information: 1-888-592-5837
Emergency telephone number (with hours of operation)	: INFOTRAC [®] 1-800-535-5053. International call collect: 1-352-323-3500 24 hours/day, 7 days/week.
Section 2. Hazar	ds identification
OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: SKIN CORROSION/IRRITATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
GHS label elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	: H314 - Causes severe skin burns and eye damage.
Precautionary statements	<u>2</u>
Prevention	: P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing. P264 - Wash hands thoroughly after handling.
Response	: P304 + P340 + P310 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician.

for breathing. Immediately call a POISON CENTER or physician. P301 + P310 + P330 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 + P363 + P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several

minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Section 2. Hazards identification

	Immediately call a POISON CENTER or physician.
Storage	: P405 - Store locked up.
Disposal	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards not otherwise classified	: None known.

Section 3. Composition/information on ingredients

Substance/mixture	1	Mixture
Product code	:	59B006, 53L160

Ingredient name	%	CAS number
Hydrochloric acid	1 - 5	7647-01-0

United States: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Canada: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with the amended HPR as of April 2018.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician.
Inhalation	: Get medical attention immediately. Call a poison center or physician. Remove 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. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately.
Skin contact	: Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

Most important symptoms/effects, acute and delayed Potential acute health effects



Section 4. First aid measures

Eye contact	: Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes severe burns.
Ingestion	: No known significant effects or critical hazards.
<u>Over-exposure signs/symp</u>	<u>itoms</u>
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
Indication of immediate med	lical attention and special treatment needed, if necessary
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 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: halogenated compounds
Special protective actions for fire-fighters	 Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall 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.

Section 6. Accidental release measures

Personal precautions, protect	tive equipment and emergency procedures
For non-emergency personnel	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. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for co	ontainment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled

Section 7. Handling and storage

waste disposal.

Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: 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. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. 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. See Section 10 for incompatible materials before handling or use.

product. Note: see Section 1 for emergency contact information and Section 13 for

Section 8. Exposure controls/personal protection

Control parameters

United States

Occupational exposure limits

Ingredient name	Exposure limits
Hydrochloric acid	ACGIH TLV (United States, 3/2017). C: 2 ppm NIOSH REL (United States, 10/2016). CEIL: 5 ppm CEIL: 7 mg/m ³ OSHA PEL (United States, 6/2016). CEIL: 5 ppm CEIL: 7 mg/m ³

Canada

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, 1/2018). 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	:	No personal respiratory protective equipment normally required. Avoid breathing dust/ fume/gas/mist/vapors/spray. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
Individual protection measure	<u>)</u>	
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.



Section 8. Exposure controls/personal protection

Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	 Use a NIOSH/MSHA approved respirator if there is a risk of exposure at levels exceeding the exposure limits. Advice should be sought from respiratory protection specialists.

Section 9. Physical and chemical properties

Physical state: Liquid.Color: Clear.Odor: Pungent.Odor threshold: Not available.pH: 1.1Melting point: 0°C (32°F)Bolling point: 10°C (212°F)Flash point: Not applicable.Evaporation rate: Not available.Flammability (solid, gas): Not available.Vapor pressure: Not available.Vapor pressure: Not available.Vapor density: 1 to 1.2 g/ml @ 20°C (68°F)Solubility: Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Viscosity: Not available.Flow time (ISO 2431): Not available.VOC content: Not available.VOC content: Not available.	Appearance	
Odor:Pungent.Odor threshold:Not available.pH:1.1Melting point:0°C (32°F)Boiling point:100°C (212°F)Flash point:Not available.Evaporation rate:Not available.Flammability (solid, gas):Not available.Lower and upper explosive:Not available.(flammabe) limits:Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:1 to 1.2 g/ml @ 20°C (68°F)Solubility:Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Pecomposition temperature:Not available.Viscosity:Not available.Flow time (ISO 2431):Not available.	Physical state	: Liquid.
Odor threshold: Not available.pH: 1.1Melting point: 0°C (32°F)Boiling point: 100°C (212°F)Flash point: Not applicable.Evaporation rate: Not available.Flammability (solid, gas): Not available.Flammability (solid, gas): Not available.Lower and upper explosive (flammable) limits: Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: 1 to 1.2 g/ml @ 20°C (68°F)Solubility: Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature Viscosity: Not available.Viscosity: Not available.Flow time (ISO 2431): Not available.	Color	: Clear.
pH:1.1Melting point:0°C (32°F)Boiling point:100°C (212°F)Flash point:Not applicable.Evaporation rate:Not available.Flammability (solid, gas):Not available.Cower and upper explosive (flammable) limits:Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:1 to 1.2 g/ml @ 20°C (68°F)Solubility:Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature (Viscosity:Not available.Flow time (ISO 2431):Not available.	Odor	: Pungent.
Melting point:0°C (32°F)Boiling point:100°C (212°F)Flash point:Not applicable.Evaporation rate:Not available.Flammability (solid, gas):Not available.Flammability (solid, gas):Not available.Lower and upper explosive (flammable) limits:Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:1 to 1.2 g/ml @ 20°C (68°F)Solubility:Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature Viscosity:Not available.Flow time (ISO 2431):Not available.	Odor threshold	: Not available.
Boiling point:100°C (212°F)Flash point:Not applicable.Evaporation rate:Not available.Flammability (solid, gas):Not available.Flammability (solid, gas):Not available.Lower and upper explosive (flammable) limits:Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:1 to 1.2 g/ml @ 20°C (68°F)Solubility:Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature Viscosity:Not available.Viscosity:Not available.Flow time (ISO 2431):Not available.	рН	: 1.1
Flash point: Not applicable.Evaporation rate: Not available.Flammability (solid, gas): Not applicable.Lower and upper explosive (flammable) limits: Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: 1 to 1.2 g/ml @ 20°C (68°F)Solubility: Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature Decomposition temperature Viscosity: Not available.Flow time (ISO 2431): Not available.	Melting point	: 0°C (32°F)
Evaporation rate: Not available.Flammability (solid, gas): Not applicable.Lower and upper explosive (flammable) limits: Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: 1 to 1.2 g/ml @ 20°C (68°F)Solubility: Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Viscosity: Not available.Flow time (ISO 2431): Not available.	Boiling point	: 100°C (212°F)
Flammability (solid, gas): Not applicable.Lower and upper explosive (flammable) limits: Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: 1 to 1.2 g/ml @ 20°C (68°F)Solubility: Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature Viscosity: Not available.Viscosity: Not available.Flow time (ISO 2431): Not available.	Flash point	: Not applicable.
Lower and upper explosive (flammable) limits: Not available.Vapor pressure: Not available.Vapor density: Not available.Relative density: 1 to 1.2 g/ml @ 20°C (68°F)Solubility: Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature Decomposition temperature Viscosity: Not available.Viscosity: Not available.Flow time (ISO 2431): Not available.	Evaporation rate	: Not available.
(flammable) limitsVapor pressure: Not available.Vapor density: Not available.Relative density: 1 to 1.2 g/ml @ 20°C (68°F)Solubility: Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.Viscosity: Not available.Flow time (ISO 2431): Not available.	Flammability (solid, gas)	: Not applicable.
Vapor pressure: Not available.Vapor density: Not available.Relative density: 1 to 1.2 g/ml @ 20°C (68°F)Solubility: Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.Viscosity: Not available.Flow time (ISO 2431): Not available.		: Not available.
Vapor density: Not available.Relative density: 1 to 1.2 g/ml @ 20°C (68°F)Solubility: Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.Viscosity: Not available.Flow time (ISO 2431): Not available.		: Not available.
Solubility: Soluble in the following materials: cold water and hot water.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.Viscosity: Not available.Flow time (ISO 2431): Not available.		Not available.
Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature Decomposition temperature (iscosity): Not available.Viscosity Flow time (ISO 2431): Not available.	Relative density	: 1 to 1.2 g/ml @ 20°C (68°F)
octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.Viscosity: Not available.Flow time (ISO 2431): Not available.	Solubility	: Soluble in the following materials: cold water and hot water.
Decomposition temperature:Not available.Viscosity:Not available.Flow time (ISO 2431):Not available.		: Not available.
Viscosity: Not available.Flow time (ISO 2431): Not available.	Auto-ignition temperature	: Not available.
Flow time (ISO 2431) : Not available.	Decomposition temperature	: Not available.
	Viscosity	: Not available.
VOC content : 0% (w/w)	Flow time (ISO 2431)	: Not available.
	VOC content	: 0% (w/w)

Section 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.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.



Section 10. Stability and reactivity

Incompatible materials

Hazardous decomposition : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Not available.

Information on toxicological effects

Acute toxicity

There is no data available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Hydrochloric acid	Eyes - Mild irritant Skin - Mild irritant	Rabbit Human		0.5 minutes 5 mg 24 hours 4%	-

Sensitization

There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

Classification

Product/ingredient name	OSHA	IARC	NTP
Hydrochloric acid	-	3	-

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

Name	Category	Target organs
Hydrochloric acid	Category 3	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

There is no data available.

Information on the likely : Dermal contact. Eye contact. Inhalation. Ingestion.

routes of exposure Potential acute health effects

: Causes serious eye damage.
: No known significant effects or critical hazards.
: Causes severe burns.
: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics





Section 11. Toxicological information

		giour information
Eye contact	-	Adverse symptoms may include the following: pain watering redness
Inhalation	1	No known significant effects or critical hazards.
Skin contact	:	Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	:	Adverse symptoms may include the following: stomach pains
Delayed and immediate effect	<u>ts :</u>	and also chronic effects from short and long term exposure
Short term exposure		
Potential immediate effects	:	No known significant effects or critical hazards.
Potential delayed effects	1	No known significant effects or critical hazards.
Long term exposure		
Potential immediate effects	:	No known significant effects or critical hazards.
Potential delayed effects	1	No known significant effects or critical hazards.
Potential chronic health eff	ect	<u>s</u>
General	1	No known significant effects or critical hazards.
Carcinogenicity	1	No known significant effects or critical hazards.
Mutagenicity	1	No known significant effects or critical hazards.
Teratogenicity	1	No known significant effects or critical hazards.
Developmental effects	:	No known significant effects or critical hazards.
		-

Numerical measures of toxicity

Acute toxicity estimates

Fertility effects

There is no data available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
,		Crustaceans - Carcinus maenas - Adult Fish - Gambusia affinis - Adult	48 hours 96 hours

: No known significant effects or critical hazards.

Persistence and degradability

There is no data available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Hydrochloric acid	0.25	-	low





Section 12. Ecological information

Mobility in soil Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care
	not reasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.

AERG : Not applicable.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. Protect from freezing. Freezing will damage product and render it unusable.





Section 15. Regulatory information

U.S. Federal regulations	: United States inventory (TSCA 8b): All components are listed or exempted. Clean Water Act (CWA) 311: Hydrochloric acid
	Clean Air Act (CAA) 112 regulated flammable substances: Hydrochloric acid
	Clean Air Act (CAA) 112 regulated toxic substances: Hydrochloric acid
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Listed
Clean Air Act Section 602 Class I Substances	: Not listed
Clean Air Act Section 602 Class II Substances	: Not listed
DEA List I Chemicals (Precursor Chemicals)	: Not listed
DEA List II Chemicals (Essential Chemicals)	: Listed

SARA 302/304

Composition/information on ingredients

		SARA 302 TPQ SARA 304 RQ		RQ.	
Name	EHS	(lbs)	(gallons)	(lbs)	(gallons)
Hydrochloric acid	Yes.	-	-	-	-

SARA 304 RQ

: 136986.3 lbs / 62191.8 kg [14935.8 gal / 56538 L]

SARA 311/312

Classification

: SKIN CORROSION/IRRITATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

Composition/information on ingredients

Name	Classification
	SKIN CORROSION/IRRITATION - Category 1B SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

SARA 313

	Product name	CAS number
Form R - Reporting requirements	Hydrochloric acid	7647-01-0
Supplier notification	Hydrochloric acid	7647-01-0

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts	: The following components are listed: Hydrochloric acid
New York	: The following components are listed: Hydrochloric acid
New Jersey	: The following components are listed: Hydrochloric acid
Pennsylvania	: The following components are listed: Hydrochloric acid
California Prop. 65	

No products were found.



Section 15. Regulatory information

Canada

Canadian lists	
Canadian NPRI	: The following components are listed: Hydrochloric acid
CEPA Toxic substances	: None of the components are listed.
Canada inventory (DSL NDSL)	: All components are listed or exempted.
International lists	
National inventory	
Australia	: All components are listed or exempted.
China	: All components are listed or exempted.
Europe	: All components are listed or exempted.
Malaysia	: All components are listed or exempted.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.

Section 16. Other information

Procedure used to derive the classification

Classification	Justification
8,	On basis of test data On basis of test data

History

Date of issue mm/dd/yyyy	: 09/30/2018
Date of previous issue	: 11/30/2015
Version	: 2
Prepared by	: KMK Regulatory Services Inc.
Notice to reader	

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.

