

# SAFETY DATA SHEET



## SECTION 1: IDENTIFICATION

<b>COMPANY NAME:</b>	AMERICAN INDUSTRIES, INC.	<b>PRODUCT NAME:</b>	<b>SUPER KLEEN (Qts)</b>
<b>ADDRESS LINE 1:</b>	4300 Kahn Drive, Box 1405	<b>PRODUCT CODE:</b>	2450
<b>ADDRESS LINE 2:</b>	Lumberton, NC 28359-1405 USA	<b>PRODUCT USE:</b>	Muriatic Acid Replacement
<b>TELEPHONE NUMBERS:</b>	800-753-5153 (or) 910-738-7224	<b>SDS FILE ID:</b>	2450.02
<b>EMERGENCY PHONE:</b>	<b>CHEMTREC 1-800-424-9300</b>	<b>SDS DATE:</b>	2023-09-28

REPLACES MSDS VERSION DATED: 2016-01-04 and all prior revisions

## SECTION 2: HAZARDS IDENTIFICATION

### GHS Classification

Health	Skin corrosion/irritation	1
	Serious eye damage/eye irritation	1
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

### Label elements



Signal word	DANGER
Hazard statements	Causes severe skin burns and eye damage. Causes serious eye damage.

### Precautionary statements

Prevention	Do not breathe mist/vapors. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF SWALLOWED: Rinse mouth. Do not induce vomiting. IF ON SKIN (OR HAIR): Remove all contaminated clothing immediately. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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/doctor. Wash contaminated clothing before reuse.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information 1.97% of the mixture consists of component(s) of unknown acute oral toxicity. 1.97% of the mixture consists of component(s) of unknown acute dermal toxicity. 92.28% of the mixture consists of component(s) of unknown acute inhalation toxicity.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	%
Phosphoric Acid	7664-38-2	5.235
Hydrochloric Acid	7647-01-0	4.652
Sulfamic Acid	5329-14-6	1.973
Poly(Oxy-1,2-Ethanediy), Alpha-Hydro-Omega-Hydroxy-	25322-68-3	0.015
Other components below reportable levels		88.126

## SECTION 4: FIRST AID MEASURES

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove all contaminated clothing immediately. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, removes clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information	If exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### **SECTION 5: FIRE-FIGHTING MEASURES**

Extinguishing media	Use water fog, foam, dry chemical powder, or Carbon dioxide (CO <sub>2</sub> ).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosions hazards noted.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleanup	Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand, or earth and place into containers. Following product recovery, flush area with water. Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses, or onto the ground.

#### **SECTION 7: HANDLING AND STORAGE**

Handling	Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Storage	Store locked up. Store in tightly closed container. Store away from incompatible materials (see section 10 of the SDS.)

#### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering Controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
Personal protective equipment	The following are recommendations for Personnel Protective Equipment (PPE). The employer/user of this product must perform a Hazard Assessment of the workplace according to OSHA regulations 29 CFR 1910.132 to determine the appropriate PPE for use while performing any task involving potential exposure to this product
Eye/Face protection	Wear safety glasses with side shields/goggles and a face shield.
Skin protection	Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the materials and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

#### Occupational exposure limits

##### US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	CAS #	Value	Type	Form
Hydrochloric Acid	7647-01-0	7 mg/m3 5 ppm	CEILING	
Phosphoric Acid	7664-38-2	1 mg/m3	PEL	

##### US ACGIH Threshold Limit Values

Hydrochloric Acid	7647-01-0	2 ppm	CEILING	
Phosphoric Acid	7664-38-2	3 mg/m3	STEL	

##### US NIOSH Pocket Guide to Chemical Hazards

Hydrochloric Acid	7647-01-0	7 mg/m3 5 ppm	CEILING	
Phosphoric Acid	7664-38-2	3 mg/m3 1 mg/m3	STEL TWA	

##### US Workplace Environmental Exposure Level (WEEL) Guides

Poly(Oxy-1,2-Ethanediy), Alpha-Hydro-Omega-Hydroxy	25322-68-3	10 mg/m3	TWA	Particulate
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Biological limit values No biological exposure limits noted for the ingredient(s).

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clear green liquid
Odor	Mountain fresh
Odor threshold	Not available
Specific gravity	1.10
Viscosity	Not available
Boiling point	207°F (97.22°C)
Flammability	Not applicable
Partition coefficient	Not available
Vapor pressure	Not available
pH	< 1.0
Evaporation rate	Not available
Decomposition temperature	Not available
Solubility	Soluble in water
Melting point/freezing point	Not available
Flash point	200°F (93.3°C)
Vapor density	Not available
Auto-Ignition Temperature	Not available
Density	9.19 lbs/gal, 1.10 g/ml
Explosive properties	Not explosive.
Flammability class	Combustible IIIB estimated
Oxidizing properties	Not oxidizing.
Percent volatile	87.05% estimated
VOC	0.02% estimated

## SECTION 10: STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage, and transport.
Chemical stability	Stable under normal conditions

Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes severe skin burns.
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns.
Symptoms related to the physical, chemical, and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

### Information on toxicological effects

Acute toxicity	Not known.
Hydrochloric Acid	7647-01-0
Acute toxicity	LD50 Dermal-mouse 1,449 mg/kg
	LC50 Inhalation-mouse 1,108 ppm, 1 hour
	LC50 Inhalation-rat 3,124 ppm, 1 hour
	2,810 ppm, 1 hour
	1,405 ppm, 4 hours
	LD50 Oral-rabbit 900 mg/kg
	LD50 Other-mouse 1,449 mg/kg
Phosphoric Acid	7664-38-2
Acute toxicity	LD50 Dermal-rabbit 2,740 mg/kg
	LD50 Oral-rat 1,530 mg/kg
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory sensitization	Due to partial or complete lack of data the classification is not possible.
Skin sensitization	Due to partial or complete lack of data the classification is not possible.
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.
Carcinogenicity	Due to partial or complete lack of data the classification is not possible.
IARC	Hydrochloric Acid (CAS 7647-01-0) 3 Not classifiable as to carcinogenicity to humans.
NTP	Not listed.
OSHA	Not listed.
Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity, single exposure	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity, repeated exposure	Due to partial or complete lack of data the classification is not possible.
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.
Chronic effects	Prolonged inhalation may be harmful.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
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Hydrochloric Acid	7647-01-0	
Toxicity to fish LC50	Western mosquitofish (Gambusia affinis)	282 mg/l, 96 hours
Poly(Oxy-1,2-Ethanediy), Alpha-Hydro-Omega-Hydroxy-	25322-68-3	
Toxicity to fish LC50	Atlantic salmon (Salmo salar)	>1,000 mg/l, 96 hours
Sulfamic Acid	5329-14-6	
Toxicity to fish LC50	Fathead minnow (Pimephales promelas)	14.2 mg/l, 96 hours
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.	
Bio-accumulative potential	No data available.	
Mobility in soil	Not available.	
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone create potential, endocrine disruption, global warming potential) are expected from this component.	

### SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Dispose of contents/container in accordance with local/regional/national/international regulations.	
Local disposal regulations	Dispose in accordance with all applicable regulations.	
Hazardous waste code	D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel] The waste code should be assigned in discussion between the user, the producer, and the waste disposal company.	
Waste from residues/unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions.)	
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.	

### SECTION 14: TRANSPORT INFORMATION

DOT

Shipping name	HYDROCHLORIC ACID, LIMITED QUANTITY
Special precautions for user	Read safety instructions, SDS, and emergency procedures before handling.
ERG number	157
Marine pollutant	No

Transportation information on packaging may be different from that listed.

### SECTION 15: REGULATORY INFORMATION

US federal regulations This product is a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Suptp. D)	Not regulated
CERCLA Hazardous Substance List (40 CFR 302.4)	
Hydrochloric Acid (CAS 7647-01-0)	Listed.
Phosphoric Acid (CAS 7664-38-2)	Listed.
SARA 304 Emergency release notification	
Hydrogen Chloride (CAS 7647-01-0)	5,000 LBS
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)	Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Chemical Name	CAS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (pounds)
Hydrochloric Acid	7647-01-0	5,000	500		
SARA 311/312 Hazardous chemical			Yes		
Classified hazard categories			Skin corrosion or irritation Serious eye damage or eye irritation		
SARA 313 (TRI reporting)					
Chemical name		CAS Number		% by wt.	
Hydrochloric Acid		7647-01-0		4.652	

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Hydrochloric Acid (CAS 7647-01-0)
Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130)	Hydrochloric Acid (CAS 7647-01-0)
Safe Drinking Water Act (SDWA)	Not regulated.
Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number	
Hydrochloric Acid (CAS 7647-01-0)	6545
Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))	
Hydrochloric Acid (CAS 7647-01-0)	20% WV
DEA Exempt Chemical Mixtures Code Number	
Hydrochloric Acid (CAS 7647-01-0)	6545

State Regulations

**California Proposition 65:** The product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)  
 US California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3) subd. (a)  
 Hydrochloric Acid (CAS 7647-01-0)  
 Phosphoric Acid (CAS 7664-38-2)

International Inventories

County or region	Inventory name	On inventory (yes/no)*
Canada	Domestics Substances List (DSL)	Yes
Canada	Non- Domestics Substances List (NDSL)	No
US & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing county(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## SECTION 16: OTHER INFORMATION

**Important Note:** *To be the best of our knowledge, the information contained herein is accurate. However there is no assumption of 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. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, the manufacturer/supplier will not be responsible for loss, injury, or expense arising out of the products improper use. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.*

\*\*\*End of SDS\*\*\*