

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	SUPER KLEEN (Qts)
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2450
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Muriatic Acid Replacement
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2450.01
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2016-01-04

SECTION 2: HAZARDS IDENTIFICATION

Classification	Health, Acute toxicity, Oral	Category 5
	Health, Skin corrosion/irritation	Category 1B
	Health, Acute toxicity, Inhalation	Category 4
	Health, Specific target organ toxicity – Single exposure	Category 3

Label elements



Signal word	DANGER
Hazard statement:	H303 - May be harmful if swallowed H314 - Causes severe skin burns and eye damage H332 - Harmful if inhaled H335 - May cause respiratory irritation
Precautionary statement	P304 - IF INHALED: Move individual to fresh air and contact a physician. P305 - IF IN EYES: Flush eyes with plenty of water. If redness persists, seek medical attention. P302+352 - IF ON SKIN: Wash with soap and water. P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Phosphoric acid	7664-38-2	5-10
Sulfamic acid	5329-14-6	< 5
Hydrochloric acid	7647-01-0	5-10

SECTION 4: FIRST AID MEASURES

Inhalation	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
Skin contact	Promptly flush skin with soap and water until all chemical is removed.
Eye contact	Flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Contact a physician if redness persists.
Ingestion	Give 1-2 glasses of water. Do not induce vomiting. Get medical advice. Do not give anything by mouth to an unconscious or convulsing person.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point	> 200°F (93.3°C)
Extinguishing media	Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Unsuitable extinguishing media	Not applicable.
Hazardous combustion products	Not available.
Special exposure hazards	None.
Special protective equipment	Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Use appropriate protective equipment. (See Section 8.) Do not get into eyes, skin, or clothing. Wear respiratory protection. Avoid breathing vapors. Ensure adequate ventilation.
Environmental precautions	Do not empty into drains.
Methods and materials for containment and cleaning up	Soak up residue with an absorbent such as clay or sand. Place in a non-leaking container for proper disposal according to Federal, State, and Local regulations. Do not discharge into waterways or sewage systems.

SECTION 7: HANDLING AND STORAGE

Handling precautions	Use in a well-ventilated area. Do not breathe vapors. Do not get on skin, eyes, or clothing.
Storage requirements	Keep from freezing. Store between 50 and 80 degrees F. Keep container closed and in a well-ventilated area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	Use in well ventilated area.	
Personal protective equipment	HMIS PP, C Safety Glasses, Gloves, Apron	
General hygiene	Use good chemical hygiene practice. Avoid contact with skin, eyes, and clothing. Avoid inhalation of vapors.	
Hydrochloric acid	7647-01-0	5-10%
Components with workplace control parameters		
Ceiling	2 ppm	USA ACGIH Threshold Limit Values (TLV)
Upper respiratory tract irritation		
Not classifiable as human carcinogen		
Ceiling	5 ppm 7mg/m3	USA Occupational exposure limits (OSHA) –Table Z-1 Limits for air contaminants
The value in mg/m3 is approximate.		
Ceiling limit is to be determined from breathing-zone air samples.		
Ceiling	5 ppm 7 mg/m3	USA OSHA –Table Z-1 Limits for air contaminants-1910.1000
Ceiling	5 ppm 7 mg/m3	USA NIOSH Recommended exposure limits
Often used in aqueous solution		
Sulfamic acid	5329-14-6	<5% No data available
Phosphoric acid	7664-38-2	5-10%
Components with workplace control parameters		
TWA	1mg/m3	USA ACGIH Threshold Limit Values (TLV)
Eye, skin, & upper respiratory tract irritation		
STEL	3 ppm	USA ACGIH Threshold Limit Values (TLV)
Eye, skin, & upper respiratory tract irritation		
TWA	1 mg/m3	USA Occupational exposure limits (OSHA) –Table Z-1 Limits for air contaminants
TWA	1 mg/m3	USA OSHA –Table Z-1 Limits for air contaminants-1910.1000
STEL	3mg/m3	USA OSHA –Table Z-1 Limits for air contaminants-1910.1000
TWA	1mg/m3	USA NIOSH Recommended exposure limits
ST	3mg/m3	USA NIOSH Recommended exposure limits

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clear green liquid
Odor	Mountain fresh

Odor threshold	Not available
Specific gravity/density	1.10
Viscosity	Not available
Boiling point	212°F (100°C)
Flammability	Not available
Partition coefficient	Not available
Vapor pressure	Not available
pH	< 1.0
Evaporation rate	Slower than water
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

SECTION 10: STABILITY AND REACTIVITY

Stability	Stable
Conditions to avoid	Open flame and heat.
Materials to avoid	Alkaline materials and strong oxidizing materials.
Hazardous decomposition	Hydrochloric Acid Gas
Hazardous polymerization	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Hydrochloric acid	7647-01-0	5-10%
Acute toxicity	No data available (Hydrochloric acid)	
Inhalation	No data available (Hydrochloric acid)	
Dermal	No data available (Hydrochloric acid)	
Skin corrosion/irritation	Skin –rabbit	Result: Causes burns
Serious eye damage/eye irritation	Eyes-rabbit (Hydrochloric acid)	Result: Corrosive to eyes
Respiratory or skin sensitization	No data available (Hydrochloric acid)	
Germ cell mutagenicity	No data available (Hydrochloric acid)	
Carcinogenicity	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. (Hydrochloric acid)	
IARC	3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrochloric acid)	
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	
Reproductive toxicity	No data available	
Specific target organ toxicity	Single exposure-No data available	Repeated exposure-No data available
Aspiration hazard	No data available	
Additional Information	RTECS: Not available	
Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Symptoms and signs of poisoning are:, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Inhalation may provoke the following symptoms:, spasm, inflammation and edema of the bronchi, spasm, inflammation and edema of the larynx, Aspiration or inhalation may cause chemical pneumonitis.		
Phosphoric acid	7664-38-2	5-10%
Information on toxicological effects		
Acute toxicity	No data available	
Inhalation	No data available	

Dermal	No data available	
Skin corrosion/irritation	No data available	
Serious eye damage/eye irritation	No data available	
Respiratory or skin sensitization	No data available	
Germ cell mutagenicity	No data available	
Carcinogenicity		
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.	
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.	
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	
Reproductive toxicity	No data available	
Specific target organ toxicity	Single exposure-No data available	Repeated exposure-No data available
Aspiration hazard	No data available	
Additional Information	RTECS: Not available	

burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence (Phosphoric acid)

SECTION 12: ECOLOGICAL INFORMATION

Hydrochloric acid	7647-01-0	5-10%
Information o ecological effects		
Toxicity to fish LC50	Gambusia affinis (Mosquito fish)	282 mg/l – 96 h (Hydrochloric acid)
Persistence and degradability	No data available	
Bioaccumulative potential	No data available	
Mobility in soil	No data available (Hydrochloric acid)	
Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted		
Other adverse effects	No data available	
Sulfamic acid	5329-1-6	<5%
Information o ecological effects		
Toxicity	No data available	
Persistence and degradability	No data available	
Bioaccumulative potential	No data available	
Mobility in soil	No data available	
Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted		
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.	
Phosphoric acid	7664-38-2	5-10%
Information o ecological effects		
Toxicity	No data available	
Persistence and degradability	No data available	

Bioaccumulative potential No data available

Mobility in soil No data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Empty containers Empty Containers: If empty container retains product residue, all label precautions must be observed. Dispose of unused product prior to disposing of empty container.

Disposal considerations of substance Do not discharge into waterways or sewage systems. Transport with all closures in place. Return for reuse or dispose of according to national, local, and state regulations.

SECTION 14: TRANSPORT INFORMATION

Hydrochloric acid, Limited Quantity

Marine Pollutant: No

SECTION 15: REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

RQ (5000LBS), Hydrochloric acid (7647-01-0 5-10%) CERCLA, CSWHS, EHS302, EPCRAWPC, HAP, MASS, NJEHS, NJHS, OSHAPSM, OSHAWAC, PA, SARA313, TSCA, TXAIR

Sulfamic acid (5329-14-6 <5%) TSCA

RQ (5000LBS), Phosphoric acid (7664-38-2 5-10%) CERCLA, CSWHS, EPCRAWPC, MASS, NJHS, OSHAWAC, SARA313, TSCA, TXAIR

REGULATORY CODE DESCRIPTIONS-

RQ=Reportable Quantity

CERCLA = Superfund cleanup substance

CSWHS = Clean Water Act Hazardous substances

EHS302 = Extremely Hazardous Substance

EPCRAWPC = EPCRA Water Priority Chemicals

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

NJEHS = NJ Extraordinarily Hazardous Substances

OSHAPSM = OSHA Chemicals Requiring process safety management

OSHA WAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

SARA313 = SARA 313 Title III Toxic Chemicals

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS)

HMIS [®] RATING:	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	1

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