# SAFETY DATA SHEET

AMERICAN INDUSTRIES, INC.
WWW.AMERICANINDUSTRIES.COM

## 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

| Chemical name | CAS number | % |
|---|---|---|
| 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

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| 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

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| 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

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| 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

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| 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

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| 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<br>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<br>7 mg/m3 | USA OSHA –Table Z-1 Limits for air contaminants-1910.1000 | |
| Ceiling | 5 ppm<br>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

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| Physical state | Liquid |
| Color | Clear green liquid |
| Odor | Mountain fresh |

| | |
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| 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.

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|---|---|---|
| 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

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|---|---|
| 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
OSHAWAC = 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***