

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	GLEAM
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2052
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Descaler-Cleaner-Rust Remover
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2052.11
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2015-12-15

REPLACES MSDS VERSION DATED: 2015-04-22 *and all prior revisions*

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

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

Label elements



Signal word **DANGER**

Hazard statements
H303 May be harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

Precautionary statements
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 + P352 IF ON SKIN: Wash with soap and water.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Hydrochloric acid	7647-01-0	10-20

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 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°C)

Flash Point Method N/A

Extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media Not applicable

Hazardous combustion products Not applicable

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 Precautionary Measures: 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 Precautionary Measures: Do not empty into drains.

Methods and Materials for Containment and Cleanup: 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	Use in a well-ventilated area. Do not breathe vapors. Do not get on skin, eyes, or clothing.
Storage	Keep from freezing. Store between 50 and 80 degrees F (10-27°C). 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:	Safety Glasses, Gloves, Apron	
Hydrochloric acid	7647-01-0	10-20%
Components with workplace control parameters		
Ceiling Value	2 ppm	USA ACGIH Threshold Limit Values (TLV)
Upper Respiratory Tract irritation	Not classifiable as a human carcinogen	
	5 ppm	USA Occupational Exposure Limits (OSHA)-
Ceiling Value	7 mg/m3	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.		
	5 ppm	USA OSHA-TABLE Z-1 Limits for Air
Ceiling Value	7 mg/m3	Contaminants-1910.1000
	5 ppm	
Ceiling Value	7 mg/m3	USA NIOSH Recommended Exposure Limits
Often used in an aqueous solution.		

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color	Clear Fuchsia liquid
Physical State	Liquid
Odor	Winter Green
Flash point	>200°F (>93°C)
Odor Threshold	Not available
Flammability	Not available
Partition Coefficient	Not available
Boiling point	212°F (100°C)
Melting point/freezing point	Not available
Auto-ignition temperature	Not available
Vapor pressure	Not available
Vapor density (Air-1)	Not available
Specific gravity/Density	1.07
Viscosity	Not available
Water solubility	Soluble in water

pH	<1.0
Evaporation rate	Slower than water
Decomp Temp	Not available

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

Hydrochloric acid	7647-01-0	10-20%
Information on toxicological effects		
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 presents 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 presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	
Reproductive toxicity	No data available (Hydrochloric acid).	
Specific target organ toxicity - single exposure	The substance or mixture is classified as specific target organ toxicant, single exposure, Category 3 with respiratory tract irritation. (Hydrochloric acid).	
Specific target organ toxicity - repeated exposure:	No data available.	
Aspiration hazard	No data available (Hydrochloric acid).	
Additional information	RTEC:MW402500	
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. (Hydrochloric acid)		

SECTION 12: ECOLOGICAL INFORMATION

Hydrochloric acid	7647-01-0	10-20%
Information on ecological effects		
Toxicity to fish LC50	Gambusia affinis (mosquito fish)	282 mg/l-96 h (Hydrochloric acid)
Persistence and degradability	No data available	
Bio-accumulative 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

SECTION 13: DISPOSAL CONSIDERATIONS

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

DOT INFORMATION FOR QUANTITIES GREATER THAN 145.2 LITERS PER PACKAGE: UN 1789, Hydrochloric acid, 8, PG II

DOT INFORMATION FOR QUANTITIES LESS THAN 1.3 LITERS PER BOTTLE: Hydrochloric acid, Limited Quantity

Marine Pollutant No

SECTION 15: REGULATORY INFORMATION

COMPONENT	(CAS/PERC)	CODES
RQ (5000 lbs), Hydrochloric acid	7647010 (10-20%)	CERCLA, CSWHS, EHS302, EPCRAWPC, HAP, MASS, NJEHS, NJHS, OSHAPSM, OSHAWAC, PA, 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
- NJHS = NJ Right-to-Know Hazardous Substances
- OSHA = OSHA Chemicals Requiring process safety management
- OSHA = 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	2

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