SAFETY DATA SHEET

AMERICAN INDUSTRIES, INC.®
WWW.AMERICANINDUSTRIES.COM

SECTION 1: IDENTIFICATION

COMPANY NAME: AMERICAN INDUSTRIES, INC.
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TELEPHONE NUMBERS: 800-753-5153 (or) 910-738-7224
EMERGENCY PHONE: **CHEMTREC 1-800-424-9300**

PRODUCT NAME: **TUF STUF (Qts)**
PRODUCT CODE: 2404
PRODUCT USE: Ready To Use Industrial Strength Degreaser/Cleaner
SDS FILE ID: 2404.05
SDS DATE: 2016-02-23
REPLACES MSDS VERSION DATED: 2016-01-11 *and all prior revisions*

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

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

Label elements

Signal word: DANGER

Hazard statements:
H314 Causes severe skin burns and eye damage.
H336 May cause drowsiness or dizziness.
H302 Harmful if swallowed.

Precautionary statements

P305 IF IN EYES: Flush eyes with plenty of water. If redness persists, seek medical attention.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352 IF ON SKIN: Wash with soap and water.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	%
Diphosphoric acid, tetrapotassium salt	7320-34-5	1-5
Silicic acid (H2SiO3), disodium salt	6834-92-0	1-5

The specific chemical identity and/or exact percentages are being withheld as a trade secret (CBI). In the event of an emergency, the exact chemical formula and percentages will be given to medical personnel upon request.

All chemicals in this product are reported in the EPA TSCA Inventory.

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 nonleaking 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^{o}F (10^{o}C) and 80^{o}F (27^{o}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

Diphosphoric acid, tetrapotassium salt (7320-34-5) 1-5%: No data available

Silicic acid (H2SiO3), disodium salt (6834-92-0) 1-5%: No data available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color	Green liquid
Physical State	Liquid
Odor	Strawberry
Flash point	>200^{o}F (93^{o}C)
Flammability	Not available.
Partition Coefficient	Not available.
Boiling point	212^{o}F (100^{o}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	1.05
Viscosity	Not available.
Water solubility	Soluble in water.
pH	>12
Evaporation rate (Water=1)	1
Decomp Temp	Not available.

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable.
Conditions to avoid	Open flame and heat; freezing.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition	Carbon dioxide, carbon monoxide.
Hazardous polymerization	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Diphosphoric acid, tetrapotassium salt	7320-34-5	1-5%

Information on toxicological effects

Acute toxicity		
Oral LD50 Inhalation LC50 Dermal LD50 LD50 Dermal - rabbit	> 4,640 mg/kg	Remarks: Prolonged skin contact may cause skin irritation and/or dermatitis.
Other information on acute toxicity	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 presents 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 presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	
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	
Teratogenicity	No data available	
Specific target organ toxicity	Single Exposure-No data available	Repeated Exposure-No data available
Aspiration hazard	No data available	
Potential health effects	Inhalation-May be harmful if inhaled. Causes respiratory tract irritation. Ingestion-May be harmful if swallowed. Skin-May be harmful if absorbed through skin. Causes skin irritation. Eyes-Causes eye irritation.	
Signs and symptoms of exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	
Synergistic effects	No data available	
Additional information	RTECS: JL6735000	
Silicic acid (H2SiO3), disodium salt	6834-92-0	1-5%

Information on toxicological effects

Acute toxicity		
LD5 Oral	Rat	1,153 mg/kg
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 presents 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 presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
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
Reproductive toxicity-rat-oral	Effects on Newborn: Stillbirth. Effects on Newborn: Live birth index (# fetuses per litter; measured after birth). Effects on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day 4). no data available
Specific target organ toxicity	Single Exposure-May cause respiratory irritation Repeated Exposure-No data available
Aspiration hazard	No data available
Additional information	RTECS: VV9275000

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.

SECTION 12: ECOLOGICAL INFORMATION

Diphosphoric acid, tetrapotassium salt	7320-34-5	1-5%
Information on ecological effects		
Toxicity	No data available	
Persistence and degradability	No data available	
Bio-accumulative potential	No data available	
Mobility in soil	No data available	
PBT and vPvB assessment	No data available	
PBT/vPvB assessment		
Other adverse effects	No data available	
Silicic acid (H2SiO3), disodium salt	6834-92-0	1-5%
Information on ecological effects		
Toxicity	No data available	
Persistence and degradability	No data available	
Bio-accumulative 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: 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

Limited Quantity	
Marine Pollutant	No.

SECTION 15: REGULATORY INFORMATION

COMPONENT	(CAS/PERC)	CODES
Diphosphoric acid, tetrapotassium salt	(7320-34-5 1-5%)	TSCA
Silicic acid (H2SiO3), disodium salt	(6834-92-0 1-5%)	TSCA

REGULATORY KEY DESCRIPTIONS- Material contains the above listed component(s) considered hazardous according to the following:
TSCA=Toxic Substances Control Act

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS)

HMIS® RATING:	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

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