



Section 1 – Identification

SUPPLIER:	Superior Adhesives & Tools	NOTE: Blank spaces are not permitted. If no relevant information is found for any given subheading within a section, the SDS shall clearly indicate that no applicable information is available.	
ADDRESS:	14000 Carlson Parkway Plymouth, MN 55441	Emergency Telephone Number (CHEMTREC)	(800) 424-9300
TELEPHONE:	888-398-6595	Telephone Number for Information	(888) 398-6595
Product Identifier (as used on Label, SDS and list) Haze & Film Remover (liquid) Other means of identification: none		Recommended use of the chemical and restrictions on use: This liquid product is used as an additive, cleaner and sealer for working with tile.	

Section 2 – Hazard Identification

Eye damage/irritation	Category: 1	Signal Word: DANGER
Skin irritation	Category: 2	Signal Word: WARNING
Target Organ Toxicity	Category: 3	Signal Word: WARNING
Hazard Statements:	CAUSES SERIOUS EYE DAMAGE; CAUSES SKIN IRRITATION; MAY CAUSE RESPIRATORY IRRITATION	
 	<p>Precautionary Statements:</p> <p>PREVENTION: Wear eye protection/face protection/protective gloves/protective clothing Avoid breathing mist/vapors/spray Wash thoroughly after handling Do not eat, drink or smoke when using this product Do not handle until all safety precautions have been read and understood Use only outdoors or in a well-ventilated area</p> <p>RESPONSE: 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 control center or doctor If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin: Wash with plenty of water If skin irritation occurs or eye irritation persists: Get medical advice/attention If exposed or concerned: Get medical advice/attention Take off contaminated clothing and wash it before reuse</p> <p>STORAGE: Store locked up in a well-ventilated place. Keep cool.</p> <p>DISPOSAL: Dispose of contents/container per federal, state and local regulations.</p>	

Section 3 – Composition/Ingredients (* = trade secret)

Chemical Name	Common Name and synonyms	CAS No.	Percentage
Citric acid	2-Hydroxy-1,2,3-propanetricarboxylic acid; beta-Hydroxytricarboxylic acid;	77-92-9	3-5

Section 4 – First Aid Measures

INHALATION: If inhaled: Remove person to fresh air and keep comfortable with breathing. Immediately call a poison control center or doctor if you feel unwell.

SKIN CONTACT: If on skin, wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Seek medical treatment in all cases of prolonged skin exposure to Haze & Film Remover. Take off contaminated clothing and wash it before reuse.

EYE CONTACT: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

INGESTION: If swallowed: Call a poison center/doctor. Do not induce vomiting. Rinse mouth. May cause burns to mouth, throat and stomach.

MOST IMPORTANT SYMPTOMS/EFFECTS: Acute: May cause mild or severe irritation. May cause respiratory tract irritation. Delayed: Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

IMMEDIATE MEDICAL ATTENTION/SPECIAL TREATMENT: Poison Center, Emergency Medical Services

Section 5 – Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA: Haze & Film remover does not pose a serious fire hazard, however normal fires should be extinguished using CO₂, or Dry Chemical (AB, BC, ABC) extinguishers

SPECIAL FIRE-FIGHTING PROCEDURES: NONE. Although Haze & Film Remover poses no fire-related hazards, a self-contained breathing apparatus is recommended to limit exposure to combustion products when fighting any fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

Haze & Film Remover (liquid)	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARDS	0

NFPA Rating: Health: 1 Flammability: 1 Reactivity: 0

Section 6 – Accidental Release Measures

PERSONAL PRECAUTIONS: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate PPE and protective clothing. Ensure adequate ventilation.

PROTECTIVE EQUIPMENT: In case of exposure to mist above the PEL, wear appropriate respiratory protection. If eye contact while using this product is anticipated, wear ANSI Z87 approved goggles or safety glasses. Wear chemical resistant gloves (such as nitrile or neoprene) and protective clothing to minimize skin contact.

EMERGENCY PROCEDURES: None Expected

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Neutralize with lime or soda ash. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.

Section 7 – Handling and Storage

PRECAUTIONS FOR SAFE HANDLING: Do not breathe mist or vapor. Avoid contact with skin. Avoid contact with eyes. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.

CONDITIONS FOR SAFE STORAGE INCLUDING INCOMPATIBILITIES: Keep containers of Heavy Duty Grout & Tile Cleaner tightly closed. Keep containers in a cool, well-ventilated area.

Section 8 – Exposure Controls/Personal Protection

Component		OSHA PEL; TWA	ACGIH TLV
Citric acid		15 mg/m ³ (T); 5 mg/m ³ (R)	10 mg/m ³ (T); 5 mg/m ³ (R)

(T) = Total particulate

(R) = Respirable fraction *10/%SiO₂ + 2

APPROPRIATE ENGINEERING CONTROLS: Use sufficient local exhaust ventilation, or other engineering controls to keep airborne concentrations of vapors below the OSHA PEL. General ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

PERSONAL PROTECTIVE EQUIPMENT: Use ANSI-approved eye protection and chemical resistant gloves. Sealed goggles are recommended when applying, spraying, or misting.

RESPIRATORY PROTECTION: Where inhalation of mists or vapors is likely, a respirator equipped with an organic vapor cartridge and a HEPA filter is recommended if there is any chance of exceeding PEL's.

EYE/FACE PROTECTION: Under normal conditions, wear safety goggles that meet the ANSI Z87.1 standard. In high use conditions wear ANSI-approved unvented safety goggles. DO NOT wear contact lenses.

HAND PROTECTION: Wear chemical protective gloves resistant to alkaline or caustic materials. DO NOT rely on barrier creams; barrier creams should not be used in place of chemical-resistant gloves. Nitrile gloves are recommended.

PROTECTIVE CLOTHING: Wear long pants and long-sleeved shirts while working with this material.

Section 9 – Physical and Chemical Properties

APPEARANCE: Liquid	ODOR: none
pH: 1.8 – 2.0	MELTING PT/FREEZING PT: 32°F/0°C
BOILING POINT: 100°C (212°F)	FLASH POINT: N/A
FLAMMABILITY: N/A	EVAPORATION RATE: N/A
VAPOR DENSITY: 0.62 (water)	RELATIVE DENSITY: 1.01 g/cc
VAPOR PRESSURE: 17.5 mm Hg (water)	%VOLATILE BY VOLUME: None
PARTITION COEFFICIENT: n-OCTANOL/WATER: N/A	VISCOSITY: Low
AUTO IGNITION TEMPERATURE: N/A	SOLUBILITY IN WATER: Miscible

Section 10 – Stability and Reactivity

REACTIVITY: None

CHEMICAL STABILITY: Product is stable under normal conditions

POSSIBILITY OF HAZARDOUS REACTIONS: Avoid mixing with alkalis

CONDITIONS TO AVOID: none

INCOMPATIBLE MATERIALS: Avoid exposing product to strong alkalis and oxidizing substances

HAZARDOUS DECOMPOSITION PRODUCTS: None known

Section 11 – Toxicological Information

Routes of Entry: Inhalation: YES Ingestion: YES Eye: YES Skin: YES

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS: May cause mild or severe irritation. Prolonged exposure can cause severe skin irritation. An allergic response is possible. Heavy Duty Grout & Tile Cleaner is severely irritating to the eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause redness and pain

IMMEDIATE AND DELAYED EFFECTS: Exposure to large amounts of airborne mists or vapors can cause respiratory tract irritation almost immediately. Do not eat.

CHRONIC EFFECTS FROM SHORT-TERM AND LONG-TERM EXPOSURE: Repeated exposure may cause erosion of teeth. Repeated exposure may cause sensitization dermatitis.

LD50/LC50: Oral LD50, rat: 3000 mg/kg (Citric acid)

Oral LD50, rabbit: Not determined

Inhalation LC50, mouse: Not determined

Dermal LD50, rat: Not determined

Carcinogenicity:	NTP: NO	IARC: NO	OSHA: NO
Cancer. Not classified or listed by The International Agency for Research on Cancer (IARC); The National Toxicology Program (NTP) or OSHA as a carcinogen.			
Section 12 – Ecological Information (Non-mandatory)			
ECOTOXICITY: No recognized unusual toxicity to plants or animals	BIO ACCUMULATIVE POTENTIAL: None Known		OTHER ADVERSE EFFECTS (such as hazardous to the ozone layer): None known
PERSISTENCE AND DEGRADABILITY: Stable under normal conditions	MOBILITY IN SOIL: No Testing Data Available		
Section 13 – Disposal Considerations (Non-mandatory)			
WASTE DISPOSAL OF SUBSTANCE: Do not discharge into waterways, drains, or sewer systems.			
CONTAINER DISPOSAL: Dispose of in accordance with federal, state and local regulations.			
RCRA: None listed			
Section 14 – Transport Information (Non-mandatory)			
DOT, IATA, IMO/IMDG SHIPPING INFORMATION			
UN Identification Number: N/A	Proper Shipping Name: N/A		
Hazard Class: N/A	Secondary Risk: N/A		
Packing Group: N/A	Label(s) Required: N/A		
Environmental Hazards: None	Transport in Bulk: Not applicable (per Annex II of MARPOL 73/78 and IBC)		
Section 15 – Regulatory Information (Non-mandatory)			
U.S. SARA REPORTING REQUIREMENTS: The components of this mixture are not subject to the reporting requirements of Sections 302, 304 and 313 of Title II of the Superfund Amendments and Reauthorization Act.			
Chemical Name	SARA 302 (40 CFR 355, Appendix A)	SARA 304 (40 CFR 355, Table 302.4)	SARA 313 (40 CFR 372.65)
U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20			
U.S. CERCLA REPORTABLE QUANTITY (RQ): None			
U.S. TSCA INVENTORY STATUS: Citric Acid (CAS-No. 77-92-9) is listed on the TSCA Inventory.			
TSCA SIGNIFICANT NEW USE RULE: None of the chemicals in this mixture have a SNUR under TSCA.			
OTHER U.S. FEDERAL REGULATIONS: Not applicable			
CLEAN AIR ACT: This material does not contain any hazardous air pollutants This material does not contain any Class 1 Ozone depletors This material does not contain any Class 2 Ozone depletors			
CLEAN WATER ACT: None of the chemicals in this mixture are listed as Hazardous Substances under the CWA Phosphoric acid is listed as a Priority Pollutant under the CWA None of the chemicals in this mixture are listed as Toxic Pollutants under the CWA			
OSHA: None of the chemicals in this mixture are considered highly hazardous by OSHA			

Section 15 – Regulatory Information (Non-mandatory) (cont')

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):

Citric acid is not listed as a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

California No Significant Risk Level: None of the chemicals in this product are listed.

California Inhalation Reference None established.

Exposure Level (REL):

OTHER STATE SPECIFIC REGULATIONS:

Massachusetts Toxic Use Reduction Act: Citric Acid (CAS-No. 77-92-9) is not listed.

Pennsylvania Worker and Community Right to Know Act: Citric Acid (CAS-No. 77-92-9) is not listed.

Section 16 – Other Information

PREPARED BY: Bryan Cleavenger

DATE PREPARED: May 28, 2015

LAST UPDATED: April 3, 2018

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TRAINING NECESSARY:

Yes. Training under the OSHA HazCom GHS requirements (29 CFR 1910.1200) must be completed upon initial assignment for new employees.

INTENDED USE OF THIS PRODUCT:

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.

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