

MATERIAL SAFETY DATA SHEET

Version.:1.0



MSDS DATE: 09/23/2014

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: GS Glass & Stainles Natural Cleaner
SYNONYMS: None
PRODUCT CODES: GS

MANUFACTURER: Detox Environmental
DIVISION: N/A
ADDRESS: 3902 West Valley Hwy. N., #300 Auburn WA 98001

EMERGENCY PHONE: 911
CHEMTREC PHONE: 800.424.9300
OTHER CALLS: 253.929.6386
FAX PHONE:

PRODUCT USE: Glass, stainless steel, and general purpose hard surface cleaner
PREPARED BY: Scott Rhodes

SECTION 2: COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

<u>COMPONENT:</u>	<u>CAS NO.</u>
Water	7732-18-5
Acetic Acid (Vinegar)	64-19-7

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Clear liquid, vinegar odor, non-flammable. Causes skin and eye irritation. May be harmful to plants and other species in large amounts.

ROUTES OF ENTRY: Skin, eye, inhalation, ingestion

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation

SKIN: Causes skin irritation

INGESTION: May be harmful if swallowed in large amounts.

INHALATION: Irritating to respiratory system. OSHA-PEL: 10ppm (TWA)

ACUTE HEALTH HAZARDS: Low acute toxicity

CHRONIC HEALTH HAZARDS: Over exposure may include nausea, vomiting, diarrhea and delayed skin redness and peeling. No known carcinogenic, mutagenic, tetrogenic effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May aggravate existing skin, eye and respiratory conditions

SECTION 4: FIRST AID MEASURES

EYES: Flush with plenty of water for at least 15 minutes, early response is essential, seek medical attention

SKIN: Wash thoroughly with soap and water, remove contaminated clothing, wash clothing before reuse, apply a moisturizer

INGESTION: No harmful effects in adults at small quantities. If larger amounts are swallowed, do not induce vomiting, give water or milk and seek medical attention.

INHALATION: If nose or throat irritation are observed, move to fresh air

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NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Observation only is required for adult ingestion in the range of 16-32oz of Detox CP. For ingestion of larger amounts, maintain adequate kidney function and force fluids. Boron analyses of urine or blood are only useful for documenting exposure.

SECTION 5: FIRE-FIGHTING MEASURES

GENERAL HAZARD: Sodium carbonate, non-flammable; sodium tetraborate, fire retardant

FLASH POINT: flashpoint is 109 F, Pensky-Martens

METHOD USED: Any fire extinguishing media may be used

NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0
OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0
PROTECTION:

EXTINGUISHING MEDIA: Dry chemical, foam, or CO₂

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: carbon monoxide, carbon dioxide, CO_x

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

Small spill; ventilate, use appropriate tools to pick up, neutralize with sodium carbonate, remove residue with water and evacuate through the sanitary system.

Large spill: corrosive, ventilate and remove sources of ignition, use liquid absorbing material (sand, sawdust, etc) to shovel. Dispose of shoveled material properly. Evacuate liquid through the sanitary system. Large spills into waterways can cause harm to plants and animals. Advise local water authorities until natural dilution returns and pH levels to background levels. Detox GS is a non-hazardous waste when spilled or disposed of, as defined in the Resource Conservation and Recovery Act (RCRA) regulations (40 CFR 261).

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Danger of slipping on spilled product. Avoid contact with skin and eyes. Store in a tightly closed container.

OTHER PRECAUTIONS: Shelf life 12 months, do not store below 40 F, do not freeze, do not evaporate to a solid.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Ensure adequate ventilation

VENTILATION : Ensure adequate ventilation

RESPIRATORY PROTECTION: Not applicable with adequate ventilation

EYE PROTECTION: Wear splash protect; tight fitting goggles or face shield

SKIN PROTECTION: Wear PVC, or rubber gloves

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Full suit may be required for large spills

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WORK HYGIENIC PRACTICES:

EXPOSURE LIMITS: For food processing and all other applications, maximum concentration is permissible per FDA regulations.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid, clear, colorless

ODOR: Vinegar

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 4.0 +/- 1.0

pH (Other): N/A

BOILING POINT:

F: 212

C: 100

MELTING POINT:

F: 32

C: 0

FREEZING POINT:

F: 32

C: 0

VAPOR PRESSURE (mmHg):

@ 11.4

F: 70

C: 21

VAPOR DENSITY (AIR = 1): Not available

@ 2.07

F: 70

C: 21

SPECIFIC GRAVITY (H₂O = 1): Not available

@ 1.049

F:

C:

EVAPORATION RATE: 0.97

SOLUBILITY: Soluble in water, partially soluble in cold water and alcohol.

PERCENT SOLIDS BY WEIGHT: Not available

PERCENT VOLATILE:

BY WT/ BY VOL @ 0

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: 0 LBS/GAL
WITHOUT WATER: 0 LBS/GAL

MOLECULAR WEIGHT: Not available

VISCOSITY: Not available

SECTION 10: STABILITY AND REACTIVITY

STABILITY: No known instability if used for intended purpose

CONDITIONS TO AVOID (STABILITY): No known instability if used for intended purpose

INCOMPATIBILITY (MATERIAL TO AVOID): Reactive with oxidizers, metals, sulfides, peroxides, carbonates, and strong acids



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HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None

HAZARDOUS POLYMERIZATION: will not occur

CONDITIONS TO AVOID (POLYMERIZATION): Non known

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Low acute oral toxicity based on acetic acid content, LD50 in rats is 33 g/kg/day oral, and 35 g/kg/day dermal. Acute vapor LC50 mouse 5620 ppm.

Acute potential health effects for Humans:Skin: causes skin irritation with possible redness depending on concentration and exposure. Eyes: causes eye irritations and possible burns depending on concentration. Concentrated solutions may cause permanent corneal injury. Ingestion: may cause irritation of the digestive tract in large doses resulting in; nausea, vomiting, diarrhea, thirst, and abdominal pain. .

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: bio-degradable.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Small quantities can usually be disposed of at landfill or in sanitary systems. Consult specific local, state and federal requirements.

RCRA HAZARD CLASS: No listed components

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION
Not regulated

OTHER AGENCIES: TDG, not regulated

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Acetic Acid (8b)

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not listed

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Listed

Californial Prop. 65: Not subject to reporting requirements

SECTION 16: OTHER INFORMATION

Product label information: Do not ingest, eye irritant, not for use in food, keep out of reach of children

PREPARATION INFORMATION:

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