

SAFETY DATA SHEET

Version.:2.0



MSDS DATE: 12/30/15

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

PRODUCT NAME: Detox AC, Advanced Cleaner
SYNONYMS: Alvara Natural Cleaner Bath & Tile
PRODUCT CODES: AC, BT
OTHER PRODUCT CODES: AP, Alvara Multi-surface, CP, Carpet Concentrate

1.2 PRODUCT USE: General purpose hard surface cleaner, Carpet cleaner

1.3 Details to the supplier of the safety data sheet

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

1.4 EMERGENCY PHONE: 911

CHEMTREC PHONE: 800.424.9300

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Clear to slightly turbid viscous liquid, odorless, 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 irritatio,

SKIN: Causes mild skin irritation

INGESTION: May be harmful if swallowed. Large amounts over a teaspoon may cause gastrointestinal symptoms

INHALATION: No hazard in normal industrial use

ACUTE HEALTH HAZARDS: Low acute toxicity

Aquatic life: 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. Suspected to cause damage to male fertility in high oral doses.

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

NFPA HAZARD CLASSIFICATION

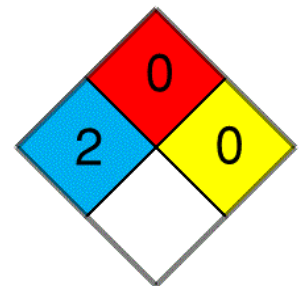
HEALTH: 2 **FLAMMABILITY:** 0 **REACTIVITY:** 0

HMIS HAZARD CLASSIFICATION

HEALTH: 2 **FLAMMABILITY:** 0 **REACTIVITY:** 0

2.1 GHS-US classification: Not Classified

2.2 Label Elements: GHS-US: No labelling applicable



SECTION 3: COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

COMPONENT:	CAS NO.	%
Water	7732-18-5	>70%
Sodium carbonate	497-19-8	<10%
Sodium Hydroxide	1310-73-2	<0.20%

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid

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, drink milk, and seek medical attention.

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

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.

4.2 Description of First Aid

Symptoms/Injuries: Not expected under anticipated normal conditions of use

Symptoms/Injuries after ingestion: Abdominal pain, nausea

Symptoms/Injuries after injection: Not available

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media: Any fire extinguishing media. Do not use heavy water stream.

5.2 Special Hazards: None. Not flammable, no explosion hazard available

5.3 Advice for firefighters: Stop leak if possible. Cool exposed containers with fog or water spray. Do not enter area without proper fire fighting equipment and respiratory protection

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: : Stop leak if possible. Do not enter area without proper protective equipment and respiratory protection

6.1.1 For non-emergency personnel

Wear protective equipment including chemically protective gloves, tight-fitting goggles, and protective clothing. Avoid exposure to skin and eyes.

6.1.2 For emergency responders

Wear protective equipment including chemically protective gloves, tight-fitting goggles and protective clothing. Avoid exposure to skin and eyes.

6.2 Environmental precautions

Large spills into waterways can cause harm to plants and animals. Advise local water authorities until natural dilution returns boron and pH levels to background levels.

6.3 Methods for containment and cleanup

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

Large spill: Vacuum, or use liquid absorbing material (sand, sawdust, etc) to shovel. Rinse residue with water. 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 boron and pH levels to background levels. Detox CP is a non-

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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

7.1 Precautions for safe Handling: Danger of slipping on spilled product. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container closed when not in use

Incompatible products: Strong acids

Storage temperature: 50 deg F – 85 deg F

Prohibitions on mixed storage: Keep substance away from strong acids and metal powders

Storage area: Keep locked, store only in original container

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters: None for normal use, see 11.1 for accidental ingestion

8.2 Exposure controls

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 latex or rubber gloves

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

WORK HYGIENIC PRACTICES: wash hands, skin and clothing after use. Avoid contact with skin

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid, turbid and viscous

ODOR: slight cornstarch

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 12.0-12.5

pH AP: 10.5-12.3

pH CP: 9.0-10

BOILING POINT:

F: 212

C: 100

MELTING POINT:

F: 32

C: 0

FREEZING POINT:

F: 32

C: 0

VAPOR PRESSURE (mmHg):

@ 18.7

F: 70

C: 21

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VAPOR DENSITY (AIR = 1): Not available
@

F:
C:

SPECIFIC GRAVITY (H2O = 1): Not available
@

F:
C:

EVAPORATION RATE: Not available

SOLUBILITY: Soluble in hot 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

10.2 STABILITY: No known instability if used for intended purpose

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

10.5 INCOMPATIBILITY (MATERIAL TO AVOID): Reactive with oxidizers, reducing agents and strong acids

10.6 HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None

10.7 HAZARDOUS POLYMERIZATION: will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 TOXICOLOGICAL INFORMATION:

Low acute oral toxicity based on boron content, LD50 in rats is 35 g/kg/day. Based on sodium carbonate content, LD50 rats is 235 g/kg/day.

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. Boron is suspect to cause infertility in males, based on boron content; low limit acute oral ingestion of 15.5 g/kg/day is extrapolated from studies.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Non persistent to 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.

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RCRA HAZARD CLASS: No listed components

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SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: Not regulated

14.1 UN Number

No dangerous goods

14.2 UN Proper Shipping Name

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): sodium carbonate (8b)

RQ (Reportable Quantity): 1000lb

SARA Section 311/312: Immediate health hazard

California Prop. 65: Not subject to reporting requirements

15.2 CANADIAN REGULATIONS

WHMIS Class: uncontrolled

RQ (Reportable Quantity): 1000lb

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:

DISCLAIMER: *The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Detox Environmental LLC, its officers, employees or consultants, be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Detox Environmental LLC has been advised of the possibility of such damages. Detox CP is Patent Pending and Detox Environmental LLC reserves all intellectual property rights.*