

Benton (Concentrate)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Benton
Product Use Concentrated Disinfectant Cleaner
Product Code 4467
For Medical Emergency Call Chemtrec 1-800-424-9300
Supplier's Information Cleanslate Inc. 1515 East Linden Avenue, Linden NJ 07036

2. HAZARD IDENTIFICATION

GHS Classification. Corrosive to Metals, Category 1
 Acute Toxicity (Oral), Category 4
 Skin Corrosion, Category 1B
 Serious Eye Damage, Category 1
 Short-term (acute) aquatic hazard, Category 2

GHS Label Element.



Signal Word. Danger

Hazard Statement. H290 May be corrosive to metals. H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage. H401 Toxic to aquatic life.

Precautionary Statements.

Prevention:

- P234 Keep only in original packaging.
- P260 Do not breathe mist or vapours.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ eye protection/ face protection.

Response:

- P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
- P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/ doctor.
- P363 Wash contaminated clothing before reuse.
- P390 Absorb spillage to prevent material damage.

Storage:

- P402 + P404 Store in a dry place. Store in a closed container.
- P405 Store locked up.
- P406 Store in a corrosion resistant container with a resistant inner liner.
- P410 + P403 Protect from sunlight. Store in a well-ventilated place.

Disposal:

- P501 Dispose of contents/container in accordance with local regulation.

Other Hazards: None Known

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3.COMPOSITION/INFORMATION ON INGREDIENTS

Name of Hazardous Ingredients	CAS No.	WT.%
Proprietary ingredients	Not Assigned	>=5 - < 50
2-(2-Butoxyethoxy)ethanol	112-34-5	>=15 - < 20
Hydrogen peroxide	7722-84-1	>=5 - < 8
Sodium hydroxide	1310-73-2	>= 1 - < 2
Polyethylene glycol ;Ethane-1,2-diol, homo-polymer	25322-68-3	>=0.3 - < 0.5

4.FIRST AID MEASURES

If inhaled. Move to fresh air. If unconscious, place in recovery position and seek medical advice. If breathing is irregular or stopped, administer artificial respiration. Call a physician or poison control centre immediately. Keep respiratory tract clear.

In case of skin contact. After contact with skin, wash immediately with plenty of soap and water. Take off contaminated clothing and shoes immediately. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. Take victim immediately to hospital.

In case of eye contact. Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes. Call a physician immediately. Remove contact lenses. Keep eye wide open while rinsing. Protect unharmed eye. Continue rinsing eyes during transport to hospital. Small amounts of splashed into eyes can cause irreversible tissue damage and blindness.

If swallowed. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.

Most important symptoms and effects, both acute and delayed. No information available.

Notes to physician. Treat symptomatically.

5.FIRE FIGHTING MEASURES

Suitable Fire Extinguishing Media. Water spray. Alcohol-resistant foam. Dry chemical.

Unsuitable Extinguishing Media. High volume water jet.

Specific Hazards during firefighting. Heating or fire can release toxic gas.

Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products. Carbon oxides (COx), Sulphur oxides (SOx), Phosphorus oxides (POx), Sodium oxides.

Further information. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Specific Protective Equipment for Fire-Fighters. In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6.ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures. Use personal protective equipment. Use respirator when performing operations involving potential exposure to vapour of the product.

Environmental Precautions. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

Methods and Materials for Containment and Clean-Up. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

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7. HANDLING AND STORAGE

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Advice on safe handling : Avoid formation of aerosol. Do not breathe vapours/dust. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed. Keep in a well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards. To maintain product quality, do not store in heat or direct sunlight. To prevent leaks or spillages from spreading, provide a suitable liquid retention system.

Recommended storage temperature : 129 °F / 54 °C

Storage period : 14 Days

Further information on storage stability: No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Components with workplace control parameters

<u>Components</u>	<u>CAS-No</u>	<u>Value Type</u>	<u>Control Parameters</u>	<u>Basis</u>
2-(2-Butoxyethoxy)ethanol	112-34-5	TWA (Inhalable fraction and vapor)	10 ppm	ACGIH
Hydrogen peroxide	7722-84-1	TWA	1.4 mg/m3	Internal OEL
		TWA	1 ppm	ACGIH
		TWA	1 ppm 1.4 mg/m3	NIOSH REL
		TWA	1 ppm 1.4 mg/m3	OSHA Z-1
Sodium hydroxide	1310-73-2	C	2 mg/m3	ACGIH
		C	2 mg/m3	NIOSH REL
		TWA	2 mg/m3	OSHA Z-1
Polyethylene glycol	25322-68-3	TWA (aerosol)	10 mg/m3	US WHEEL

Personal Protective Equipment

Respiratory Protection. In the case of vapour formation use a respirator with an approved filter. Respirator with ABEK filter. Respirator with a vapour filter (EN 141)

Hand Protection. Material. Nitrile rubber

Remarks. Wear protective gloves. Break through time: >480 min

Eye Protection. Safety glasses with side-shield and protective suit for abnormal processing problems.

Skin and Body Protection. Choose body protection according to the amount and concentration of the dangerous substance at the work place. Impervious clothing.

Hygiene Measures. Avoid contact with skin, eyes and clothing. When using do not eat or drink. When using do not smoke.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, aqueous, solution
Colour	Pale yellow
Odour	Lime
Odour Threshold	No data available
pH	< 1.0 < 1 (69.4 °F / 20.8 °C) Concentration: 100 % GLP: yes 1.81 (69.6 °F / 20.9 °C) Concentration: 1 % GLP: yes
Melting point/freezing point	No data available
Boiling point/boiling range	No data available
Flash point Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability (liquids)	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Relative density	No data available
Density	1.1188 g/ml (68 °F / 20 °C) GLP: yes No data available
Water solubility	Soluble
Partition coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity, dynamic	No data available
Viscosity, kinematic	No data available 17.79 CST (77 °F / 25 °C) GLP: yes 6.93 CST (122 °F / 50 °C) GLP: yes

10. STABILITY AND REACTIVITY

Reactivity. No decomposition if stored and applied as directed.

Chemical stability. Stable under recommended storage conditions.

Possibility of hazardous reactions. Stable under recommended storage conditions.

Conditions to avoid. Heat

Incompatible materials. Strong acids and strong bases. Oxidizing agents

Hazardous decomposition products. No decomposition if used as directed.

Hazardous decomposition products. Hydrogen

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11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Acute oral toxicity	LD50 (Rat, female): 1,900 mg/kg Method: OECD Test Guideline 425
Acute Inhalation toxicity	LC10 (Rat, male and female): > 2.09 mg/l Exposure time: 4 h Test atmosphere: aerosol Method: OECD Test Guideline 403 GLP: yes
Acute dermal toxicity	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Skin corrosion/irritation	
Remarks	No data available
Serious eye damage/eye irritation	
Remarks	No data available
Respiratory or skin sensitisation	
Test Type	Buehler Test
Exposure routes	Dermal
Species	Guinea pig
Assesment	Did not cause sensitisation on labratory animals.
Method	OECD Test Guideline 406
Result	Did not cause sensitisation on laboratory animals.
GLP	yes
Germ cell mutagenicity	
Genotoxicity in vitro	Remarks: No data available
Carcinogenicity	
Remarks	No data available
IARC	No component of this product present aat levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP
ACGIH	Confirmed animal carcinogen with unknown relevance to humans Hydrogen peroxide

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14. TRANSPORT INFORMATION

DOT

UN Number 3265
Proper Shipping Name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Alkylsulfonic acid solution)
Transport hazard class(es) 8
Packing Group II
 Labels 8
 Emergency Response 153
 Guidebook Number
Environmental hazards no

TDG

UN Number 3265
Proper Shipping Name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Alkylsulfonic acid solution)
Transport hazard class(es) 8
Packing Group II
 Labels 8
Environmental hazards no

IATA

UN Number 3265
Proper Shipping Name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Alkylsulfonic acid solution)
Transport hazard class(es) 8
Packing Group II
 Labels 8
Environmental hazards no

IMDG

UN Number 3265
Proper Shipping Name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Alkylsulfonic acid solution)
Transport hazard class(es) 8
Packing Group II
 Labels 8
 EmS Number 1 F-A
 EmS Number 2 S-B
Environmental hazards Marine Pollutant: no

ADR

UN Number 3265
Proper Shipping Name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Alkylsulfonic acid solution)
Transport hazard class(es) 8
Packing Group II
 Classification Code C3
 Hazard Identification Number 80
 Labels 8
Environmental hazards no

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RID

UN Number	3265
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Alkylsulfonic acid solution)
Transport hazard class(es)	8
Packing Group	II
Classification Code	C3
Hazard Identification Number	80
Labels	8
Environmental hazards	no
Special Precautions for User.	None
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable

15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

EPA Registration number : 6836-516

Signal word : Danger

Hazard statements : CORROSIVE. Causes irreversible eye damage and skin burns. Harmful if swallowed or if absorbed through skin.

SARA 311/312 Hazards

See above: SECTION 2. Hazard Identification-GHS Classification

Clean Air Act**California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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16. OTHER INFORMATION

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
 NIOSH REL : USA. NIOSH Recommended Exposure Limits
 OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
 US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECS - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date: 10/6/25

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.