



Think Blue. Go Green.

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 03/06/2018

Reviewed on 03/06/2018

1 Identification

- **Product Identifier**
- **Trade Name:** CW-1226-5
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** No further information
- **Application of the substance / the mixture:** Industry Specific Application
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
PUR WATER LLC
4885 Fulton Rd STE B
Fairfield, Ca 94534
Phone (707) 430-0121
- **Emergency telephone number:** Infotrack: (800) 535-5053

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2B H320 Causes eye irritation.

- **Label elements:**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS07

- **Signal word:** Warning

- **Hazard-determining components of labeling:**

Potassium Hydroxide

2-phosphonobutane-1,2,4-tricarboxylic acid

- **Hazard statements:**

H315+H320 Causes skin and eye irritation.

- **Precautionary statements:**

P264 Wash thoroughly after handling.

P280 Wear protective gloves.

P302+P352 If on skin: Wash with plenty of water.

P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P337+P313 If eye irritation persists: Get medical advice/attention.

- **Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values.

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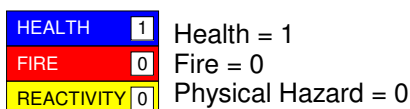
Trade Name: CW-1226-5

0 % of the mixture consists of component(s) of unknown toxicity.

- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/Information on Ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with non-hazardous additions.

Dangerous Components:

CAS: 1310-58-3 RTECS: TT 2102000	Potassium Hydroxide ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302	<4%
CAS: 37971-36-1	2-phosphonobutane-1,2,4-tricarboxylic acid ⚠ Skin Corr. 1C, H314; Eye Irrit. 2B, H320	<2%
	Proprietary ⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320	<4%

Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

- **Description of first aid measures:**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**
Remove affected person to fresh air. Seek medical attention if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation occurs, consult a doctor.
- **After eye contact:**
If easy to do so, remove contact lenses if worn.
If eye irritation occurs, consult a doctor.
Rinse opened eye for several minutes under running water.
- **After swallowing:**
Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person.
Consume large amounts of water. If symptoms persist, consult a physician.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

* 5 Fire-Fighting Measures

- **Extinguishing media:**
- **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray.
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters:**
- **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

* 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**
Avoid contact with skin, eyes and clothing.
Ensure adequate ventilation.
Treat any fumes as toxic.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· PAC-1:		
1310-58-3	Potassium Hydroxide	0.18 mg/m ³
64665-57-2	sodium 4(or 5)-methyl-1H-benzotriazolide	1.9 mg/m ³
7631-95-0	Sodium Molybdate	3.2 mg/m ³
7664-38-2	Phosphoric acid	3 mg/m ³
· PAC-2:		
1310-58-3	Potassium Hydroxide	2 mg/m ³
64665-57-2	sodium 4(or 5)-methyl-1H-benzotriazolide	21 mg/m ³
7631-95-0	Sodium Molybdate	17 mg/m ³
7664-38-2	Phosphoric acid	30 mg/m ³
· PAC-3:		
1310-58-3	Potassium Hydroxide	54 mg/m ³
64665-57-2	sodium 4(or 5)-methyl-1H-benzotriazolide	130 mg/m ³

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7631-95-0	Sodium Molybdate	100 mg/m ³
7664-38-2	Phosphoric acid	150 mg/m ³

* 7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**
 Avoid breathing fumes.
 Avoid contact with skin, eyes and clothing
 Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Keep away from heat sources and sunlight.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

* 8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**
 The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
 At this time, the remaining constituent has no known exposure limits.

1310-58-3 Potassium Hydroxide	
REL	Ceiling limit value: 2 mg/m ³
TLV	Ceiling limit value: 2 mg/m ³
37971-36-1 2-phosphonobutane-1,2,4-tricarboxylic acid	
WEEL	Long-term value: 10 mg/m ³ (H)

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 The usual precautionary measures for handling chemicals should be followed.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing and wash before reuse.
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves



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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Select glove material based on penetration times, rates of diffusion and degradation.

• **Material of gloves:**

Chemical resistant

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

• **Eye protection:**



Safety glasses

* 9 Physical and Chemical Properties

• **Information on basic physical and chemical properties**

• **General Information**

• **Appearance:**

- **Form:** Liquid
- **Color:** Light Amber
- **Odour:** Bland
- **Odor threshold:** Not determined.

• **pH-value:** 9.90-10.40

• **Change in condition**

- **Melting point/Melting range:** Not determined.
- **Boiling point/Boiling range:** ≥100 °C (≥212 °F)

• **Flash point:** None

• **Flammability (solid, gaseous):** Not applicable.

• **Ignition temperature:** Not applicable

• **Decomposition temperature:** Not determined.

• **Auto igniting:** Product is not self-igniting.

• **Danger of explosion:** Product does not present an explosion hazard.

• **Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.

• **Vapor pressure:** Not determined.

• **Density:**

- **Relative density:** Not determined.
- **Vapor density:** Not determined.



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- Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
 - Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
- **VOC content:** 0.00 %
- **Other information:** No further relevant information available.

* 10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Heat, flame and ignition sources.
- **Incompatible materials:**
 - Strong oxidizing agents.
 - Strong acids, strong bases
- **Hazardous decomposition products:** No dangerous decomposition products known.

* 11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

• **LD/LC50 values that are relevant for classification:**

1310-58-3 Potassium Hydroxide		
Oral	LD50	273 mg/kg (Rat)
Inhalative	LC50/96 hours	80 mg/l (Daphnia)
37971-36-1 2-phosphonobutane-1,2,4-tricarboxylic acid		
Oral	LD50	>6,500 mg/kg (Rat)
Dermal	LD50	>4,000 mg/kg (Rat)

- **Primary irritant effect:**
- **On the skin:**
 - Corrosive effect on skin and mucous membranes.
 - Corrosive to skin and mucous membranes.
- **On the eye:**
 - Irritating effect.
 - Corrosive effect.
- **Additional toxicological information:**
 - The product shows the following dangers according to internally approved calculation methods for preparations:
 - Corrosive
 - Swallowing will lead to a corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

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· Carcinogenic categories:

· IARC (International Agency for Research on Cancer):
None of the ingredients are listed.

· NTP (National Toxicology Program):
None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):
None of the ingredients are listed.

* 12 Ecological Information

· Toxicity:

· Aquatic toxicity:
37971-36-1 2-phosphonobutane-1,2,4-tricarboxylic acid
EC50 747 mg/l (Daphnia)

· Persistence and degradability: No further relevant information available.

· Behavior in environmental systems:

· Bioaccumulative potential: No further relevant information available.

· Mobility in soil: No further relevant information available.

· Additional ecological information:

· General notes:

Do not allow product to reach ground water, water course or sewage system.
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
Danger to drinking water if even small quantities leak into the ground.

· Results of PBT and vPvB assessment:

· PBT: Not applicable.

· vPvB: Not applicable.

· Other adverse effects: No further relevant information available.

* 13 Disposal Considerations

· Waste treatment methods:

· Recommendation:

Observe all federal, state and local environmental regulations when disposing of this material.

· Uncleaned packagings

· Recommendation: Disposal must be made according to official regulations.

* 14 Transport Information

· UN-Number:

· DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material

· UN proper shipping name:

· DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material

· Transport hazard class(es):

· DOT, ADR/ADN, ADN, IMDG, IATA

· Class: Non-Regulated Material

· Packing group:

· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material

· Environmental hazards: Not applicable.



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- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

*15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

• **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

• **Section 313 (Specific toxic chemical listings):**

7664-38-2 Phosphoric acid

• **TSCA (Toxic Substances Control Act):**

1310-58-3	Potassium Hydroxide
37971-36-1	2-phosphonobutane-1,2,4-tricarboxylic acid
64665-57-2	sodium 4(or 5)-methyl-1H-benzotriazolide
7631-95-0	Sodium Molybdate
7664-38-2	Phosphoric acid
7732-18-5	Water, distilled water, deionized water

• **TSCA new (21st Century Act) (Substances not listed)**

Proprietary

• **California Proposition 65:**

• **Chemicals known to cause cancer:**

None of the ingredients are listed.

• **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

• **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

• **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

• **New Jersey Right-to-Know List:**

1310-58-3	Potassium Hydroxide
7664-38-2	Phosphoric acid

• **New Jersey Special Hazardous Substance List:**

1310-58-3	Potassium Hydroxide	CO, R1
7664-38-2	Phosphoric acid	CO

• **Pennsylvania Right-to-Know List:**

1310-58-3	Potassium Hydroxide
7664-38-2	Phosphoric acid

• **Pennsylvania Special Hazardous Substance List:**

1310-58-3	Potassium Hydroxide	E
7664-38-2	Phosphoric acid	E



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• **Carcinogenic categories:**

• EPA (Environmental Protection Agency):
None of the ingredients are listed.

• TLV (Threshold Limit Value established by ACGIH):
None of the ingredients are listed.

• NIOSH-Ca (National Institute for Occupational Safety and Health):
None of the ingredients are listed.

• **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

• **Hazard pictograms:**



GHS07

• **Signal word:** Warning

• **Hazard-determining components of labeling:**

- Potassium Hydroxide
- 2-phosphonobutane-1,2,4-tricarboxylic acid

• **Hazard statements:**

H315+H320 Causes skin and eye irritation.

• **Precautionary statements:**

- P264 Wash thoroughly after handling.
- P280 Wear protective gloves.
- P302+P352 If on skin: Wash with plenty of water.
- P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P337+P313 If eye irritation persists: Get medical advice/attention.

• National regulations:
None of the ingredients are listed.

• **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

• **Date of preparation / last revision:** 03/06/2018 / 10

• **Abbreviations and acronyms:**

- ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists



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EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

· *** Data compared to the previous version altered.**

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