



# Safety Data Sheet

## HYDRO-PURE



### 1. Identification

<b>Product identifier</b>	HYDRO-PURE DULL CLEAR TINT BASE		
<b>Product code</b>	HPURET-0420		
<b>Other means of identification</b>	N.Av.		
<b>Recommended use of the chemical and restrictions on use</b>	A protective and/or decorative finish or accompanying paint product. Not recommended for any other use not detailed on product data sheet or label.		
<b>Manufacturer</b>	GEMINI INDUSTRIES, INC. 2300 Holloway Drive El Reno, OK 73036 USA  Tel. 1-800-262-5710 Fax 1-405-262-9310 <a href="http://www.gemini-coatings.com">www.gemini-coatings.com</a>		
<b>Emergency phone number</b>	24-hour Emergency (Spill, Leak, Exposure or accident) INFOTRAC 800-535-5053 Outside USA, Call Collect 1-352-323-3500 (French & English)  HAZMAT Response and MSDS Help: EMI 800-510-8510		

### 2. Hazard identification

<b>Summary</b>	Keep away from heat, sparks and open flame. Avoid contact with skin, eyes and clothing. Do not breathe vapours, mists or aerosols. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.
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#### WHMIS 2015/OSHA HCS 2012/GHS



Skin corrosion/irritation (Category 2)  
 Serious eye damage/eye irritation (Category 2)  
 Reproductive toxicity (Category 2)

#### WARNING

- H319: Causes serious eye irritation
- H315: Causes skin irritation
- H361D: Suspected of damaging the unborn child
- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P264: Wash face, hands and any exposed skin thoroughly after handling.
- P280: Wear protective gloves, protective clothing and eye protection.
- P302+352: IF ON SKIN: Wash with plenty of water and soap.
- P332+313: If skin irritation occurs: Get medical advice or attention.

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical advice or attention.

P362+364: Take off contaminated clothing and wash before reuse.

P370+378: In case of fire: Use ABC dry chemical to extinguish.

P403: Store in a well-ventilated place.

P405: Store locked up.

P501: Dispose of contents and container to a licensed chemical disposal agency in accordance with local, regional and national regulations.

### 3. Composition/information on ingredients

Common name	CAS	Weight % content
2-Butoxyethanol	111-76-2	5 - 10 %

### 4. First-aid measures

<b>Inhalation</b>	Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. If a problem develops or persists, seek medical attention.
<b>Skin contact</b>	Wash skin with warm water and mild soap for at least 15 minutes. Remove contaminated clothing and wash before reuse. Avoid touching eyes with contaminated body parts. If a problem develops or persists, seek medical attention.
<b>Eye contact</b>	IMMEDIATELY flush with plenty of water. Remove contact lenses if easy to do. Flush with water for at least 15 minutes. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
<b>Ingestion</b>	DO NOT induce vomiting, unless recommended by medical personnel. Never give anything by mouth if victim is unconscious or convulsing. If victim is conscious wash out mouth with water and give 1-2 glasses of water to drink. If spontaneous vomiting occurs, keep head below hip level to prevent aspiration into the lungs. Seek medical attention or contact a Poison Centre immediately.
<b>Other</b>	No additional information.
<b>Symptoms</b>	May cause redness and irritation to eyes. May cause redness and irritation of the skin.
<b>Notes to the physician</b>	Treat symptomatically. If gastric lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Dried powder, carbon dioxide (CO <sub>2</sub> ), class B fire extinguishing, alcohol foam. Do not use a heavy water jet.
<b>Specific hazards arising from the chemical</b>	Combustible liquid and vapours. May be ignited by heat, sparks, flame or static electricity. Do not apply to hot surfaces.
<b>Special protective equipment</b>	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
<b>Special protective actions for fire-fighters</b>	Use water spray to cool fire-exposed containers.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Do not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
<b>Environmental precautions</b>	Prevent entry into sewers, closed areas and release to the environment. For a large spill, consult the Department of Environment or the relevant authorities.
<b>Methods and materials for containment and cleaning up</b>	Remove sources of ignition. Ventilate the area well. Stop leak, if it's possible to do so without risk. Absorb with inert material (soil, sand, vermiculite) and place in an appropriate waste disposal clearly identified. Use non-sparking and antistatic tools. Finish cleaning the contaminated surface by rinsing with soapy water. Dispose via a licensed waste disposal contractor.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Keep away from heat, sparks and open flame. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Use only in well ventilated area. Avoid contact with skin, eyes and clothing. Do not breathe vapours, mists or aerosols. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
<b>Conditions for safe storage, including any incompatibilities</b>	Storage and handling should follow the NFPA 30 Flammable and/or Combustible Liquids Code and the National Fire Code of Canada (NFCC). Store tightly closed and in properly labelled container in a dry, cool and well ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep away from direct sunlight and heat. Keep from freezing.
<b>Storage temperature</b>	5 to 35°C (41 to 95°F)

## 8. Exposure controls/personal protection

<b>Immediately Dangerous to Life or Health</b>	2-Butoxyethanol: 700 ppm.		
2-Butoxyethanol	TWA (8h) 20 ppm 20 ppm	97 mg/m <sup>3</sup>	ACGIH , BC, ON RSST
<b>Appropriate engineering controls</b>	Provide sufficient mechanical ventilation (general or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits.		
<b>Individual protection measures</b>			
<b>Eye</b>	Wear safety glasses with side shields. If there is a risk of contact with eyes, wear chemical splash goggles.		
<b>Hands</b>	Wear nitrile or neoprene gloves. Disposable nitrile gloves can also be used, but discard after single use. Gloves must only be worn on clean hands.		
<b>Skin</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. If necessary, wear an apron or long-sleeve protective coverall suit.		
<b>Respiratory</b>	Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA. In case of insufficient ventilation or in confined or enclosed space and for an assigned protection factor (APF) up to 10 times the exposure limit, wear a half mask respirator with organic		

vapour cartridges fitted with P100 filters. For an APF until maximum 100 times of exposure limit, wear a full face respirator mask with organic vapour cartridges and P100 filters.

**Feet**

Wear rubber boots to clean up a spill.

## 9. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Flammability</b>	Combustible
<b>Colour</b>	Clear or coloured	<b>Flammability limits</b>	N/Av.
<b>Odour</b>	Paint odor	<b>Flash point</b>	>94°C ( 201°F)
<b>Odour threshold</b>	N/Av.	<b>Auto-ignition temperature</b>	230°C (446°F)
<b>pH</b>	N/Av.	<b>Sensibility to electrostatic charges</b>	N/Av.
<b>Melting point</b>	N/Av.	<b>Sensibility to sparks and/or friction</b>	No
<b>Freezing point</b>	N/Av.	<b>Vapour density</b>	>1 (Air = 1)
<b>Boiling point</b>	100 to 168°C (212 to 334.4°F)	<b>Relative density</b>	1.0364 kg/L (Water = 1)
<b>Solubility</b>	Soluble in water.	<b>Partition coefficient n-octanol/water</b>	N/Av.
<b>Evaporation rate</b>	< Butyl Acetate	<b>Decomposition temperature</b>	N/Av.
<b>Vapour pressure</b>	N/Av.	<b>Viscosity</b>	N/Av.
<b>Percent Volatile</b>	69.61%	<b>Molecular mass</b>	N/Av.

N/Av.: Not Available    N/Av.: Not Applicable    Und.: Undetermined    N/E: Not Established

## 10. Stability and reactivity

<b>Reactivity</b>	No reaction expected.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions (including polymerizations)</b>	A dangerous reaction will not occur.
<b>Conditions to avoid</b>	Avoid heat, flame and sparks.
<b>Incompatible materials</b>	None reported.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

<b>Numerical measures of toxicity</b>	<p>2-Butoxyethanol Ingestion 560 mg/kg Rat LD50  1414 mg/kg Guinea pig LD50  Inhalation 2.21 mg/l/4h Rat LC50  Skin 400 mg/kg Rabbit LD50  &gt;2000 mg/kg Rat LD50  &gt;2000 mg/kg Guinea pig LD50</p>
<b>Likely routes of exposure</b>	Skin, eyes, inhalation, ingestion.
<b>Delayed, immediate and chronic effects</b>	<p><b>Eye contact</b> May cause irritation, redness, tearing and blurred vision. 2-Butoxyethanol (CAS no 111-76-2) is irritating to the eye (rabbit, OECD TG 405).</p> <p><b>Skin contact</b> May cause redness and irritation of the skin. 2-Butoxyethanol (CAS no 111-76-2) can cause skin irritation (rabbits, OECD 404).</p> <p><b>Inhalation</b> Prolonged or excessive exposure may cause headache, drowsiness, nausea, dizziness, respiratory tract irritation. The severity of symptoms may vary depending on exposure conditions.</p> <p><b>Ingestion</b> Ingestion can cause abdominal pain, nausea, cramps, headache, dizziness, diarrhea and vomiting.</p> <p><b>Respiratory or skin sensitization</b> Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers.</p> <p><b>IARC/NTP Classification</b> No ingredients listed.</p> <p><b>Carcinogenicity</b> Ingredients present at levels greater than or equal to 0.1% of this product are not listed as a carcinogen by IARC, ACGIH, NIOSH, NTP or OSHA.</p> <p><b>Mutagenicity</b> Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.</p> <p><b>Reproductive toxicity</b> Paint has not been proven to be all teratogenic. However, exposures to harmful chemicals during pregnancy have been linked with an increased risk for spontaneous abortion, low birth weight, or preterm birth.</p> <p><b>Specific target organ toxicity - single exposure</b> No target organ is listed.</p> <p><b>Specific target organ toxicity - repeated exposure</b> No target organ is listed.</p>
<b>Interactive effects</b>	No information available for this product.
<b>Other information</b>	The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. The acute toxicity estimates (ATE) by inhalation of the mixture were calculated to be greater than 20 mg/L/4h for vapours and to be greater than 5 mg/L/4h for the dusts and mists. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.

## 12. Ecological information

<b>Ecological toxicity</b>	<p>Fish - Oncorhynchus mykiss - Rainbow trout LC50 1474 mg/L; 96 h (CAS no 111-76-2)  Aquatic invertebrates - Daphnia magna EC50 1550 mg/L; 48 h (CAS no 111-76-2)  Algae, Pseudokirchneriella subcapitata EC50 1840 mg/L; 72 h (CAS no 111-76-2)</p>
<b>Persistence</b>	Contains an or many ingredients that may be persistent in the environment.
<b>Degradability</b>	2-Butoxyethanol (CAS no 111-76-2) is readily biodegradable 90.4% in 28 days (OECD Guideline 301B).
<b>Bioaccumulative potential</b>	2-Butoxyethanol (CAS no 111-76-2) is not expected to bioaccumulate based on a low partition coefficient (Log Kow <2).





						HON	HAP			
2-Butoxyethanol	111-76-2	X								

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

**California Proposition 65**

No ingredients listed.

<b>Other regulations</b>	<p><b>WHMIS 1988</b></p>  <p>B3      D1B      D2B</p> <p>Class B3 : Combustible Liquid  Class D1B : Toxic material causing immediate and serious toxic effects  Class D2B : Toxic material causing other toxic effects</p> <p><b>HMIS</b></p> <table border="1"> <tr><td>● Health</td></tr> <tr><td>● Flammability</td></tr> <tr><td>● Reactivity</td></tr> <tr><td>○ Protective Equipment</td></tr> </table> <p><b>NFPA</b></p> 	● Health	● Flammability	● Reactivity	○ Protective Equipment
● Health					
● Flammability					
● Reactivity					
○ Protective Equipment					

**16. Other information**

<b>Date (YYYY-MM-DD)</b>	GEMINI INDUSTRIES, INC. 2018-07-23
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<b>Version</b>	01
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<b>Other information</b>	<p>REFERENCES:</p> <ul style="list-style-type: none"> <li>- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, <a href="http://hazmap.nlm.nih.gov/index.php">http://hazmap.nlm.nih.gov/index.php</a></li> <li>- TOXNET Databases, Toxicology Data Network, NIH U.S. National Library of Medicine, <a href="http://toxnet.nlm.nih.gov/">http://toxnet.nlm.nih.gov/</a></li> <li>- Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), <a href="http://www.reptox.csst.qc.ca">http://www.reptox.csst.qc.ca</a></li> <li>- The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, <a href="http://www.ncbi.nlm.nih.gov">www.ncbi.nlm.nih.gov</a></li> </ul> <p>ACGIH: American Conference of Governmental Industrial Hygienists  AIHA: American Industrial Hygiene Association  HMIS: Hazardous Materials Identification System  NFPA: National Fire Protection Association  OSHA: Occupational Safety and Health Administration (USA)  NIOSH: National Institute for Occupational Safety and Health  NTP: National Toxicology Program</p>
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RSST: Règlement sur la santé et la sécurité du travail (Québec)  
GHS: Globally Harmonized System  
IARC: International Agency for Research on Cancer  
IDLH: Immediately Dangerous to Life or Health  
STEL: Short Term Exposure Limit (15 min)  
TWA: Time Weighted Averages  
WHMIS: Workplace Hazardous Materials Information System

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