



# Safety Data Sheet

## HYDROPURE FLT CLEAR TNT BS4 1G



### 1. Identification

<b>Product identifier</b>	HYDROPURE FLT CLEAR TNT BS4 1G		
<b>Product code</b>	HPURET-0410-1		
<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 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/">http://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>	Avoid contact with skin, eyes and clothing. Do not breathe vapors and 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/GHS/OSHA HCS 2012



Skin corrosion/irritation (Category 2)  
 Serious eye damage/eye irritation (Category 2)  
 Reproductive toxicity (Category 1)

#### DANGER

- H360: May damage fertility or the unborn child
- H319: Causes serious eye irritation
- H315: Causes skin irritation
- 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.
- P308+313: IF exposed or concerned: Get medical attention.
- 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.

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 %
Dipropylene glycol monobutyl ether	29911-28-2	1 - 5 %
Synthetic Amorphous Fumed Silica	112945-52-5	1 - 5 %

**Note:** The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

### 4. First-aid measures

<b>Inhalation</b>	Move person to fresh air. 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. If victim is conscious wash out mouth with plenty of water. Never give anything by mouth if victim is unconscious or convulsing. Seek medical attention or contact a Poison Centre immediately.
<b>Other</b>	No additional information.
<b>Symptoms</b>	May cause irritation, redness, tearing and blurred vision. May cause itching, redness and skin irritation.
<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>	In a fire or if heated, a pressure increase will occur and the container may burst.
<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.
<b>Methods and materials for containment and cleaning up</b>	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. Finish cleaning by rinsing with water contaminated surface. Dispose via a licensed waste disposal contractor.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Use only in well ventilated area. Avoid contact with skin, eyes and clothing. Do not breathe vapors and aerosols. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. Keep away from heat and open flame. 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>	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. Protect from freezing.
<b>Storage temperature</b>	5 to 30°C (41 to 86°F)

## 8. Exposure controls/personal protection

<b>Immediately Dangerous to Life or Health</b>	2-Butoxyethanol: 700 ppm.				
2-Butoxyethanol	TWA (8h)		20 ppm		ACGIH , BC, ON
			20 ppm	97 mg/m <sup>3</sup>	RSST
Synthetic Amorphous Fumed Silica	TWA (8h)	Respirable Dust		1.5 mg/m <sup>3</sup>	BC
		Respirable Dust		3 mg/m <sup>3</sup>	ACGIH , ON
		Total Dust		4 mg/m <sup>3</sup>	BC
		Respirable Dust		6 mg/m <sup>3</sup>	RSST
		Total Dust		10 mg/m <sup>3</sup>	ACGIH , ON
<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.

<b>Feet</b>	Wear rubber boots to clean up a spill.
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## 9. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Flammability</b>	Non-flammable
<b>Colour</b>	Clear or coloured	<b>Flammability limits</b>	N/Av.
<b>Odour</b>	Paint odor	<b>Flash point</b>	94°C (201.2°F)
<b>Odour threshold</b>	N/Av.	<b>Auto-ignition temperature</b>	189°C (372.2°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>	1.041 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>	68.90%	<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 sunlight and heat. Avoid excessive aging of the product.
<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>	<table border="0"> <tr> <td>Mixture</td> <td>Ingestion &gt;2000 mg/kg Rat</td> <td>LD50</td> </tr> <tr> <td></td> <td>Inhalation &gt;20 mg/l/4h Rat</td> <td>LC50</td> </tr> <tr> <td></td> <td>Skin &gt;2000 mg/kg Rabbit</td> <td>LD50</td> </tr> <tr> <td>2-Butoxyethanol</td> <td>Ingestion 560 mg/kg Rat</td> <td>LD50</td> </tr> <tr> <td></td> <td>Inhalation 2.38 mg/l/4h Rat</td> <td>LC50</td> </tr> <tr> <td></td> <td>Skin 400 mg/kg Rabbit</td> <td>LD50</td> </tr> <tr> <td></td> <td>&gt;2000 mg/kg Rat</td> <td>LD50</td> </tr> <tr> <td></td> <td>&gt;2000 mg/kg Guinea pig</td> <td>LD50</td> </tr> <tr> <td>Dipropylene glycol monobutyl ether</td> <td>Ingestion &gt;2000 mg/kg Rat</td> <td>LD50</td> </tr> <tr> <td></td> <td>Inhalation &gt;2.04 mg/l/4h Rat</td> <td>LC50</td> </tr> <tr> <td></td> <td>Skin &gt;5000 mg/kg Rabbit</td> <td>LD50</td> </tr> <tr> <td>Synthetic Amorphous Fumed Silica</td> <td>Ingestion &gt;5000 mg/kg Rat</td> <td>LD50</td> </tr> <tr> <td></td> <td>Inhalation &gt;2.08 mg/l/4h Rat</td> <td>LC50</td> </tr> <tr> <td></td> <td>Skin &gt;5000 mg/kg Rabbit</td> <td>LD50</td> </tr> </table>	Mixture	Ingestion >2000 mg/kg Rat	LD50		Inhalation >20 mg/l/4h Rat	LC50		Skin >2000 mg/kg Rabbit	LD50	2-Butoxyethanol	Ingestion 560 mg/kg Rat	LD50		Inhalation 2.38 mg/l/4h Rat	LC50		Skin 400 mg/kg Rabbit	LD50		>2000 mg/kg Rat	LD50		>2000 mg/kg Guinea pig	LD50	Dipropylene glycol monobutyl ether	Ingestion >2000 mg/kg Rat	LD50		Inhalation >2.04 mg/l/4h Rat	LC50		Skin >5000 mg/kg Rabbit	LD50	Synthetic Amorphous Fumed Silica	Ingestion >5000 mg/kg Rat	LD50		Inhalation >2.08 mg/l/4h Rat	LC50		Skin >5000 mg/kg Rabbit	LD50
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<b>Likely routes of exposure</b>	Skin, eyes, inhalation.																																										
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<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 aerosols 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)</p> <p>Aquatic invertebrates - Daphnia magna EC50 1550 mg/L; 48 h (CAS no 111-76-2)</p> <p>Algae, Pseudokirchneriella subcapitata EC50 1840 mg/L; 72 h (CAS no 111-76-2)</p> <p>Fish - Guppy - Poecilia reticulata (static) LC50 841 mg/L; 96 h (CAS no 29911-28-2) OECD 203</p> <p>Aquatic Invertebrate - Daphnia magna EC50 &gt;1000 mg/L; 48 h (CAS no 29911-28-2) OECD 202</p>
<b>Persistence</b>	Contains an or many ingredients that may be persistent in the environment.
<b>Degradability</b>	The product is a mixture of which some ingredients are readily biodegradable (> 60% in 28 days) while other ingredients are not readily biodegradable (<60% in 28 days).
<b>Bioaccumulative potential</b>	The product is a mixture of which all ingredients have a low bioaccumulation potential (Log Kow of <3 and / or BCF <500).
<b>Mobility in soil</b>	The product is a mixture of which some ingredients evaporate very easily from the surface of the soil. Moreover, ingredients have very high to moderate mobility in soil.
<b>Other adverse effects</b>	This chemical does not deplete the ozone layer.

## 13. Disposal considerations

 <b>Container</b>	<p>Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. DO NOT pierce, cut, heat, or burn the container, even after use. Paint residues, including lacquers, dyes, shellacs, varnishes, paint solvents and thinners, can be reprocessed where there is a recovery program. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.</p>
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## 14. Transport information

<b>UN Number</b>	UN N/A
<b>UN Proper Shipping Name</b>	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
<b>Environmental hazards</b>	This material does not contain marine pollutant.
<b>Special precautions for user</b>	No information available.
<b>TDG - Transportation of Dangerous Goods (Canada)</b>	
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>IMO/IMDG - International Maritime Transport</b>	
<b>Classification</b>	Not regulated
<b>IATA - International Air Transport Association</b>	
<b>Classification</b>	Not regulated
<p>These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.</p>	

## 15. Regulatory information

### CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
2-Butoxyethanol	111-76-2	X	X		X
Dipropylene glycol monobutyl ether	29911-28-2		X		X
Synthetic Amorphous Fumed Silica	112945-52-5		X		

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances

### UNITED STATE OF AMERICA

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
2-Butoxyethanol	111-76-2	X								
Dipropylene glycol monobutyl ether	29911-28-2	X								
Synthetic Amorphous Fumed Silica	112945-52-5	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.

### Other regulations

<b>HMIS</b> <input type="radio"/> Health <input type="radio"/> Flammability <input type="radio"/> Reactivity <input type="radio"/> Protective Equipment	<b>NFPA</b> 
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## 16. Other information

<b>Date</b> (YYYY-MM-DD)	GEMINI INDUSTRIES, INC. 2020-04-10
<b>Version</b>	01
<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="https://haz-map.com/">https://haz-map.com/</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> </ul>

- The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, <https://pubchem.ncbi.nlm.nih.gov/>
- IPCS INCHEM, Chemical Safety Information from Intergovernmental Organizations, Canadian Centre for Occupational Health and Safety (CCOHS), Copyright International Programme on Chemical Safety (IPCS), <http://www.inchem.org>

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

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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