

**SAFETY DATA SHEET**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision Date: 11/22/2021

**Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking****1.1 – Product Identifier****Product Form:** Mixture**Product Name:** Freezer Floor Wash**Product Code:** 5555-9001**1.2 – Relevant Identified Uses of the Substance or Mixture and Uses Advised Against****Use of the Substance/Mixture:** Cleaning (Liquids)**1.3 – Details of the Supplier of the Safety Data Sheet****Sold By:** Gabriel First Corp.**Address:** PO Box 191

East Rochester, NY 14445

**Telephone:** 585-381-7000**1.4 – Emergency Telephone Number****Emergency Number:** 800-424-9300**Section 2 – Hazards Identification****2.1 – Classification of the Substance or Mixture****Classification (GHS-US)****Skin Corr. 1A:** H314 - Causes severe skin burns and eye damage.

Full text of H-phrases: see Section 16

**2.2 – Label Elements****GHS-US Labeling****Hazard Pictograms (GHS-US):**

GHS05

**Signal Word (GHS-US):**

Danger.

**Hazard Statements (GHS-US):**

H314 - Causes severe skin burns and eye damage.

**Precautionary Statements (GHS-US):**

P260 - Do not breathe dust/mist/spray.

P264 - Wash hands and forearms thoroughly after handling.

P280 - Wear protective gloves/eye protection/face protection.

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/shower.

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.

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.

P321 - Specific treatment (see First aid measures on this label).

P363 - Wash contaminated clothing before reuse.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 – Other Hazards**

No additional information available.

**2.4 – Unknown Acute Toxicity (GHS-US)**

Not applicable.

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Section 3 – Composition/Information on Ingredients

#### 3.1 – Substance

Not applicable.

#### 3.2. – Mixture

Name	Product identifier	%	Classification (GHS-US)
2-Propanol	(CAS No) 67-63-0	1 - 5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Potassium Hydroxide, 45%=<Conc<50%, Aqueous Solutions	(CAS No) 1310-58-3	1 - 5	Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314
2-Aminoethanol	(CAS No) 141-43-5	1 - 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314

Full text of H-phrases: see Section 16

### Section 4 – First Aid Measures

#### 4.1. – Description of First Aid Measures

##### First Aid Measures General:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

##### First Aid Measures After Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

##### First Aid Measures After Skin Contact:

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.

##### First Aid Measures After Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

##### First Aid Measures After Ingestion:

Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

#### 4.2 – Most Important Symptoms and Effects, Both Acute and Delayed

##### Symptoms/Injuries:

Causes severe skin burns and eye damage.

#### 4.3 – Indication of Any Immediate Medical Attention and Special Treatment Needed

No additional information available.

### Section 5 – Firefighting Measures

#### 5.1 – Extinguishing Media

##### Suitable Extinguishing Media:

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

##### Unsuitable Extinguishing Media:

Do not use a heavy water stream.

#### 5.2 – Special Hazards Arising From the Substance or Mixture

##### Reactivity:

Thermal decomposition generates: corrosive vapors.

#### 5.3 – Advice for Firefighters

##### Firefighting Instructions:

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

##### Protection During Firefighting:

Do not enter fire area without proper protective equipment, including respiratory protection.

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Section 6 – Accidental Release Measures

#### 6.1 – Personal Precautions, Protective Equipment and Emergency Procedures

##### 6.1.1. For Non-Emergency Personnel

**Emergency Procedures:** Evacuate unnecessary personnel.

##### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area.

#### 6.2 – Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3 – Methods and Material for Containment and Cleaning Up

**Methods for Cleaning Up:** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4 – Reference to Other Sections

See Heading 8. Exposure controls and personal protection.

### Section 7 – Handling and Storage

#### 7.1 – Precautions for Safe Handling

**Precautions For Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe dust/mist/spray. Avoid contact during pregnancy/while nursing.

**Hygiene Measures:** Wash hands and forearms thoroughly after handling.

#### 7.2 – Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep only in the original container in a cool, well ventilated place away from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking. Keep container closed when not in use.

**Incompatible Products:** Strong bases. Strong acids.

**Incompatible Materials:** Sources of ignition. Direct sunlight.

### Section 8 – Exposure Controls/Personal Protection

#### 8.1 – Control Parameters

2-Propanol (67-63-0)		
ACGIH	ACGIH TWA (ppm)	200 ppm (2-Propanol; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	ACGIH STEL (ppm)	400 ppm (2-Propanol; USA; Short time value; TLV - Adopted Value)
ACGIH	Remark (ACGIH)	Eye & URT irr; CNS impair
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
2-Aminoethanol (141-43-5)		
ACGIH	ACGIH TWA (ppm)	3 ppm (Ethanolamine; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	ACGIH STEL (ppm)	6 ppm (Ethanolamine; USA; Short time value; TLV - Adopted Value)
ACGIH	Remark (ACGIH)	Eye & skin irr
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	3 ppm

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Potassium Hydroxide, 45%=<conc<50%, Aqueous Solutions (1310-58-3)

ACGIH	Remark (ACGIH)	URT, eye, & skin irr
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### 8.2 – Exposure Controls

<b>Personal Protective Equipment:</b>	Avoid all unnecessary exposure.
<b>Hand Protection:</b>	Wear protective gloves/eye protection/face protection.
<b>Eye Protection:</b>	Chemical goggles or face shield.
<b>Skin and Body Protection:</b>	Wear suitable protective clothing.
<b>Respiratory Protection:</b>	Wear appropriate mask.
<b>Other Information:</b>	Do not eat, drink or smoke during use.

## Section 9 – Physical and Chemical Properties

### 9.1 – Information on Basic Physical and Chemical Properties

<b>Physical State:</b>	Liquid
<b>Color:</b>	Clear
<b>Odor:</b>	Mild
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	13
<b>Melting Point:</b>	No data available
<b>Freezing Point:</b>	No data available
<b>Boiling Point:</b>	212 - 220 °F
<b>Flash Point:</b>	≥ 200 °F
<b>Relative Evaporation Rate (Butyl Acetate=1):</b>	No data available
<b>Flammability (Solid, Gas):</b>	No data available
<b>Explosion Limits:</b>	No data available
<b>Explosion Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available
<b>Vapor Pressure;</b>	No data available
<b>Relative Density:</b>	1.031
<b>Relative Vapor Density at 20 °C:</b>	Same as water
<b>Solubility:</b>	Soluble in water. Water: Solubility in water of component(s) of the mixture : • : • : • : • : 82 g/100ml • : • :
<b>Log Pow:</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Viscosity, kinematic</b>	No data available
<b>Viscosity, dynamic</b>	No data available

### 9.2 – Other Information

No additional information available.

## Section 10 – Stability and Reactivity

### 10.1 – Reactivity

Thermal decomposition generates : corrosive vapors.

### 10.2 – Chemical Stability

Stable under normal conditions. Not established.

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 10.3 – Possibility of Hazardous Reactions

Not established.

### 10.4 – Conditions to Avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5 – Incompatible Materials

Strong acids. Strong bases.

### 10.6 – Hazardous Decomposition Products

Fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : corrosive vapors.

## Section 11 – Toxicological Information

### 11.1 – Information on Toxicological Effects

**Acute Toxicity:** Not classified.

2-Propanol (67-63-0)	
LD50 dermal rabbit	12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)
LC50 inhalation rat (mg/l)	73 mg/l/4h (Rat)
ATE US (dermal)	12870.000 mg/kg body weight
ATE US (vapors)	73.000 mg/l/4h
ATE US (dust, mist)	73.000 mg/l/4h

2-Aminoethanol (141-43-5)	
LD50 oral rat	1720 mg/kg (Rat)
LD50 dermal rabbit	1018 mg/kg (Rabbit)
ATE US (oral)	1720.000 mg/kg body weight
ATE US (dermal)	1018.000 mg/kg body weight

Potassium Hydroxide, 45%=<conc<50%, Aqueous Solutions (1310-58-3)	
LD50 oral rat	273 mg/kg (Rat)
ATE US (oral)	273.000 mg/kg body weight

**Skin Corrosion/Irritation:** Causes severe skin burns and eye damage.

pH: 13

**Serious Eye Damage/Irritation:** Not classified

pH: 13

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

2-Propanol (67-63-0)	
<b>IARC Group</b>	3 – Not classifiable

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Potential Adverse Human Health Effects and Symptoms:** Based on available data, the classification criteria are not met.

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Section 12 – Ecological Information

#### 12.1 – Toxicity

2-Propanol (67-63-0)	
EC50 Daphnia 1	10000 mg/l (48 h; Daphnia magna)
LC50 fish 2	9640 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 2	13299 mg/l (EC50; Other; 48 h; Daphnia magna)
Threshold limit algae 1	> 1000 mg/l (EC50; UBA; 72 h; Scenedesmus subspicatus)

2-Aminoethanol (141-43-5)	
LC50 fish 1	150 mg/l (LC50; 96 h; Salmo gairdneri)
EC50 Daphnia 1	140 mg/l (EC50; 24 h)
Threshold limit algae 2	35 mg/l (EC50; 72 h)

Potassium Hydroxide, 45%=<conc<50%, Aqueous Solutions (1310-58-3)	
LC50 fish 2	80 mg/l (LC50; 96 h)

#### 12.2 – Persistence and Degradability

Freezer Floor Wash	
Persistence and degradability	Not established.

2-Propanol (67-63-0)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	1.19 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.23 g O <sub>2</sub> /g substance
ThOD	2.40 g O <sub>2</sub> /g substance

2-Aminoethanol (141-43-5)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil.
Biochemical oxygen demand (BOD)	0.80 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.34 g O <sub>2</sub> /g substance
ThOD	2.49 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.32

Potassium Hydroxide, 45%=<conc<50%, Aqueous Solutions (1310-58-3)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the components available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

#### 12.3 – Bioaccumulative Potential

Freezer Floor Wash	
Bioaccumulative potential	Not established.

2-Propanol (67-63-0)	
Log Pow	0.05 (Weight of evidence approach; Other; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2-Aminoethanol (141-43-5)	
Log Pow	-1.91
Bioaccumulative potential	Bioaccumulation: not applicable.

Potassium Hydroxide, 45%=<conc<50%, Aqueous Solutions (1310-58-3)	
Bioaccumulative potential	Not bioaccumulative.

### 12.4 – Mobility in Soil

2-Propanol (67-63-0)	
Surface tension	0.021 N/m (25 °C)

2-Aminoethanol (141-43-5)	
Surface tension	0.050 N/m

### 12.5 – Other Adverse Effects

**Effect On The Global Warming:**

No known ecological damage caused by this product.

**Other Information:**

Avoid release to the environment.

## Section 13 – Disposal Considerations

### 13.1 – Waste Treatment Methods

**Waste Disposal Recommendations:**

Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Ecology - Waste Materials:**

Avoid release to the environment.

## Section 14 – Transport Information

**Department of Transportation (DOT)**

**In Accordance with DOT:**

Not regulated for transport.

**TDG:**

No additional information available.

**Transport by Sea:**

No additional information available.

**Air Transport:**

No additional information available.

## Section 15 – Regulatory Information

### 15.1 – US Federal Regulations

2-Propanol (67-63-0)	
Listed on the United States TSCA (Toxic Substances Control Act) Inventory.	
Listed on United States SARA Section 313.	

2-Aminoethanol (141-43-5)	
Listed on the United States TSCA (Toxic Substances Control Act) Inventory.	

Potassium Hydroxide, 45%=<conc<50%, Aqueous Solutions (1310-58-3)	
Listed on the United States TSCA (Toxic Substances Control Act) Inventory.	
Not listed on the United States SARA Section 313.	
RQ (Reportable quantity, Section 304 of EPA's List of Lists)	1000 lb

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 15.2 – International Regulations

#### CANADA

No additional information available.

#### EU-Regulations

No additional information available.

#### National Regulations

No additional information available.

### 15.3 – US State Regulations

No additional information available.

## Section 16 – Other Information

**Revision Date:** 11/22/2021

**Other Information:** None.

#### Full Text of H-phrases:

Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 4	Flammable liquids Category 4
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H227	Combustible liquid
H301	Toxic if swallowed
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

### HMIS III Rating

**Health:** 2 - Moderate Hazard - Temporary or minor injury may occur.

**Flammability:** 0 - Minimal Hazard - Materials that will not burn.

**Physical:** 0 - Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

**Personal Protection:** B  
B - Safety glasses, Gloves

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*