

SAFETY DATA SHEET

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

Revision Date: 05/19/2018

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking**1.1 – Product Identifier****Product Form:** Mixture**Product Name:** Bain-43 Carpet Spot Remover**Product Code:** 8577-1706**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:** 233 W. Commercial Street

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)****Eye Irrit. 2A:** H319

Full text of H-phrases: see Section 16

2.2 – Label Elements**GHS-US Labeling**

Hazard pictograms (GHS-US):



GHS07

Signal word (GHS-US)

Warning.

Hazard statements (GHS-US)

H319 - Causes serious eye irritation.

Precautionary statements (GHS-US)

P264 - Wash hands and forearms thoroughly after handling .

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

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

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

2.3 – Other Hazards

No additional information available.

2.4 – Unknown Acute Toxicity (GHS-US)

Not applicable.

Section 3 – Composition/Information on Ingredients**3.1 – Substance**

Not applicable

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3.2 – Mixture

Name	Product Identifier	%	Classification (GHS-US)
2-Butoxyethanol	(CAS No) 111-76-2	5 - 10	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation:gas), H330 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
2-Propanol	(CAS No) 67-63-0	1 - 5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336

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:	Allow victim to breathe fresh air. Allow the victim to rest.
First-Aid Measures After Skin Contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-Aid Measures After Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-Aid Measures After Ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/Injuries After Eye Contact: Causes serious eye irritation.

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

No additional information available

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.

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.

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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.

Hygiene Measures:

Wash hands and forearms thoroughly after handling..

7.2 – Conditions for Safe Storage, Including Any Incompatibilities

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.

7.3 – Specific End Use(s)

No additional information available

Section 8 – Exposure Controls/Personal Protection

8.1 – Control Parameters

Bain-43	
ACGIH	Not applicable
OSHA	Not applicable

2-Butoxyethanol (111-76-2)		
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	ACGIH STEL (ppm)	20 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr
OSHA	OSHA PEL (TWA) (mg/m ³)	240 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	50 ppm

2-Propanol (67-63-0)		
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	200 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr; CNS impair
OSHA	OSHA PEL (TWA) (mg/m ³)	980 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	400 ppm

8.2 – Exposure Controls

Personal Protective Equipment:

Avoid all unnecessary exposure.

Hand Protection:

Wear protective gloves/eye protection/face protection.

Eye Protection:

Chemical goggles or safety glasses.

Respiratory Protection:

Wear appropriate mask.

Other Information:

Do not eat, drink or smoke during use.

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Section 9 – Physical and Chemical Properties

9.1 – Information on Basic Physical and Chemical Properties

Physical State:	Liquid
Color:	Clear
Odor:	Lemon odor
Odor Threshold:	No data available
pH:	8 - 8.5
Melting Point:	No data available
Freezing Point:	No data available
Boiling Point:	212 - 220 °F
Flash Point:	> 200 °F
Relative Evaporation Rate (Butyl Acetate=1):	No data available
Flammability (Solid, Gas):	No data available
Explosion Limits:	No data available
Explosive Properties:	No data available
Oxidizing Properties:	No data available
Vapor Pressure:	No data available
Relative Density:	1.024
Relative Vapor Density at 20 °C:	No data available
Solubility:	Soluble in water. Water: Solubility in water of component(s) of the mixture : • : 14.6 g/100cm ³ • : 103 g/100ml • : 42 g/100ml • : 66 g/100ml • : • : • :
Log Pow:	No data available
Log Kow:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available
Viscosity, Kinematic:	No data available
Viscosity, Dynamic:	No data available

9.2 – Other Information

No additional information available.

Section 10 – Stability and Reactivity

10.1 – Reactivity

No additional information available.

10.2 – Chemical Stability

Not established.

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 Reactivity

Fume. Carbon monoxide. Carbon dioxide.

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Section 11 – Toxicological Information

11.1 – Information on Toxicological Effects

Acute Toxicity: Not classified

2-Butoxyethanol (111-76-2)	
LD50 oral rat	530 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 1746 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rat	> 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
LD50 dermal rabbit	435 mg/kg body weight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity; 435 mg/kg bodyweight; Rabbit; Weight of evidence; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	2.17 mg/l/4h (Rat; Experimental value; 2.35 mg/l/4h; Rat; Experimental value)
LC50 inhalation rat (ppm)	450 - 486 ppm/4h 450-486,Rat
ATE US (oral)	530.000 mg/kg body weight
ATE US (dermal)	435.000 mg/kg body weight
ATE US (gases)	450.000 ppmV/4h
ATE US (vapors)	2.170 mg/l/4h
ATE US (dust, mist)	2.170 mg/l/4h

2-Propanol (67-63-0)	
LD50 oral rat	5045 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 5840 mg/kg bodyweight; Rat)
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 (oral)	5045.000 mg/kg body weight
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

Skin Corrosion/Irritation: Not classified
pH: 8 - 8.5

Serious Eye Damage/Irritation: Causes serious eye irritation.
pH: 8 - 8.5

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

2-Butoxyethanol (111-76-2)	
IARC group	3 - Not classifiable

2-Propanol (67-63-0)	
IARC group	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.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation.

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Section 12 – Ecological Information

12.1 – Toxicity

2-Butoxyethanol (111-76-2)	
LC50 fish 1	116 ppm (96 h; Cyprinodon variegatus; Nominal concentration)
EC50 Daphnia 1	1700 mg/l (48 h; Daphnia sp.; Nominal concentration)
LC50 fish 2	1341 ppm (96 h; Lepomis macrochirus)
EC50 Daphnia 2	1720 mg/l (24 h; Daphnia magna)
TLM fish 1	100 - 1000,96 h; Pisces
TLM other aquatic organisms 1	100 - 1000,96 h
Threshold limit algae 1	900 mg/l (168 h; Scenedesmus quadricauda)
Threshold limit algae 2	35 mg/l (192 h; Microcystis aeruginosa)
2-Propanol (67-63-0)	
LC50 fish 1	4200 mg/l (96 h; Rasbora heteromorpha; Flow-through system)
EC50 Daphnia 1	10000 mg/l (48 h; Daphnia magna)
LC50 fish 2	9640 mg/l (96 h; Pimephales promelas; Lethal)
EC50 Daphnia 2	13299 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	> 1000 mg/l (72 h; Scenedesmus subspicatus; Growth rate)
Threshold limit algae 2	1800 mg/l (72 h; Algae; Cell numbers)

12.2 – Persistence and Degradability

Bain-43	
Persistence and degradability	Not established.
2-Butoxyethanol (111-76-2)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photodegradation in the air.
2-Butoxyethanol (111-76-2)	
Biochemical oxygen demand (BOD)	0.71 g O ₂ /g substance
Chemical oxygen demand (COD)	2.20 g O ₂ /g substance
ThOD	2.305 g O ₂ /g substance
BOD (% of ThOD)	0.31 % ThOD
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 ₂ /g substance
Chemical oxygen demand (COD)	2.23 g O ₂ /g substance
ThOD	2.40 g O ₂ /g substance
BOD (% of ThOD)	0.49 % ThOD

12.3 – Bioaccumulative Potential

Bain-43	
Bioaccumulative potential	Not established.
2-Butoxyethanol (111-76-2)	
Log Pow	0.81 (Experimental value; BASF test; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
2-Propanol (67-63-0)	
Log Pow	0.05 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

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12.4 – Mobility in Soil

2-Butoxyethanol (111-76-2)	
Surface tension	0.027 N/m (25 °C)
2-Propanol (67-63-0)	
Surface tension	0.021 N/m (25 °C)

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.
Ecology - Waste Materials: Avoid release to the environment.

Section 14 – Transport Information

Department of Transportation (DOT)

In Accordance With DOT: Not regulated for transport.

Additional Information

Other Information: No supplementary information available.

ADR: 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

Bain-43	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
2-Butoxyethanol (111-76-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
2-Propanol (67-63-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	

15.2 – International Regulations

CANADA

No additional information available.

EU-Regulations

No additional information available.

Classification According to Regulation (EC) No. 1272/2008 [CLP]

No additional information available.

Classification According to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified.

National Regulations

No additional information available

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Section 16 – Other Information

Revision Date: 05/19/2015
Other Information: None.

Full Text of H-phrases:

Acute Tox. 2 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
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 Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H311	Toxic in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H330	Fatal if inhaled
H336	May cause drowsiness or dizziness

HMIS III Rating

Health: 1 - Slight Hazard - Irritation or minor reversible injury possible
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)