

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Date of Issue: 08/04/2022 Version: 1.0

#### **SECTION 1: IDENTIFICATION**

# 1.1. Product Identifier

Product Form: Mixture

Product Name: Performance Plus Bug Buster Windshield Washer Fluid – Super Concentrate

**Product Code:** 657201, 657200, 657205 **Synonyms:** Glass and Surface Cleaner

SDS. No.: 820461

#### 1.2. Intended Use of the Product

Glass Cleaner. For professional use only.

#### 1.3. Name, Address, and Telephone of the Responsible Party

#### Manufacturer

Safety-Kleen Systems, Inc. 42 Longwater Drive Norwell, MA 02061-9149 1-800-669-5740

www.safety-kleen.com

# 1.4. Emergency Telephone Number

**Emergency Number** : 1-800-468-1760

# **SECTION 2: HAZARDS IDENTIFICATION**

#### 2.1. Classification of the Substance or Mixture

#### **GHS-US/CA Classification**

Serious eye damage/eye irritation Category 1 H318 Specific target organ toxicity (repeated exposure) Category 2 H373

# 2.2. Label Elements

# **GHS-US/CA Labeling**

Hazard Pictograms (GHS-US/CA)





Signal Word (GHS-US/CA) : Danger

Hazard Statements (GHS-US/CA) : H318 - Causes serious eye damage.

H373 - May cause damage to organs (liver, nervous system, hematopoietic system)

through prolonged or repeated exposure (oral, Inhalation).

Precautionary Statements (GHS-US/CA): P260 - Do not breathe vapors, mist, or spray.

P280 - Wear protective gloves, protective clothing, and eye 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. P310 - Immediately call a POISON CENTER or doctor. P314 - Get medical advice/attention if you feel unwell.

P501 - Dispose of contents/container in accordance with local, regional, national,

territorial, provincial, and international regulations.

#### 2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

#### 2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

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#### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Alcohols, C9-11, ethoxylated	Alkyl(C9-11) alcohol, ethoxylated / Polyethylene glycol, nonyl, decyl, undecyl ether / C9-11 Pareth-3 / C9-11 Pareth-6 / C9-11 PARETH-6	(CAS-No.) 68439-46-3	10-30	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Diethylene glycol monobutyl ether	Butoxydiglycol / Butyl carbitol / Butyl dioxitol / Diethylene glycol butyl ether / Ethanol, 2-(2- butoxyethoxy)-	(CAS-No.) 112-34-5	10-30	Flam. Liq. 4, H227 Eye Irrit. 2A, H319
2-Butoxyethanol	2-Butoxy-1-ethanol / Butoxyethanol / Ethanol, 2- butoxy- / Ethylene glycol monobutyl ether / Ethylene glycol n-butyl ether	(CAS-No.) 111-76-2	3-7	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapor), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT RE 2, H373

Full text of H-statements: see section 16

# **SECTION 4: FIRST AID MEASURES**

#### 4.1. Description of 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).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

## 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** May cause damage to organs (liver, nervous system, hematopoietic system) through prolonged or repeated exposure (oral, Inhalation). Causes serious eye damage.

**Inhalation:** Prolonged exposure may cause irritation.

Skin Contact: Prolonged exposure may cause skin irritation.

**Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** May cause damage to organs (liver, nervous system, hematopoietic system) through prolonged or repeated exposure (oral, Inhalation).

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

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## **SECTION 5: FIRE-FIGHTING MEASURES**

#### 5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

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

Fire Hazard: Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

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<sup>\*</sup>Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%). The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17 and 29 CFR 1910.1200.

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**Reactivity:** Hazardous reactions will not occur under normal conditions.

#### 5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO<sub>2</sub>). Unidentified organic compounds.

#### 5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

**General Measures:** Do not breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing. Spilled material may present a slipping hazard.

#### 6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Personnel

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

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

#### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

## 6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

#### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## **SECTION 7: HANDLING AND STORAGE**

# 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** Do not get in eyes, on skin, or on clothing. Avoid breathing vapors, mist, spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

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

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

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

#### 7.3. Specific End Use(s)

Oil. For professional use only.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Diethylene glycol monobutyl ether (112-34-5)		
USA ACGIH	ACGIH OEL TWA [ppm]	10 ppm (inhalable fraction and vapor)
Manitoba	OEL TWA [ppm]	10 ppm (inhalable fraction and vapor)
Newfoundland & Labrador	OEL TWA [ppm]	10 ppm (inhalable fraction and vapor)
Nova Scotia	OEL TWA [ppm]	10 ppm (inhalable fraction and vapor)
Ontario	OEL TWA [ppm]	10 ppm (inhalable fraction and vapor)
Prince Edward Island	OEL TWA [ppm]	10 ppm (inhalable fraction and vapor)

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2-Butoxyethanol (111-76-2)		
USA ACGIH	ACGIH OEL TWA [ppm]	20 ppm
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to
		Humans
USA ACGIH	BEI (BLV)	200 mg/g Kreatinin Parameter: Butoxyacetic acid with
		hydrolysis - Medium: urine - Sampling time: end of shift
USA OSHA	OSHA PEL (TWA) [1]	240 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) [2]	50 ppm
USA OSHA	Limit value category (OSHA)	prevent or reduce skin absorption
USA NIOSH	NIOSH REL (TWA)	24 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	5 ppm
USA IDLH	IDLH [ppm]	700 ppm
Alberta	OEL TWA	97 mg/m <sup>3</sup>
Alberta	OEL TWA [ppm]	20 ppm
British Columbia	OEL TWA [ppm]	20 ppm
Manitoba	OEL TWA [ppm]	20 ppm
New Brunswick	OEL TWA	121 mg/m³
New Brunswick	OEL TWA [ppm]	25 ppm
Newfoundland & Labrador	OEL TWA [ppm]	20 ppm
Nova Scotia	OEL TWA [ppm]	20 ppm
Nunavut	OEL STEL [ppm]	30 ppm
Nunavut	OEL TWA [ppm]	20 ppm
Northwest Territories	OEL STEL [ppm]	30 ppm
Northwest Territories	OEL TWA [ppm]	20 ppm
Ontario	OEL TWA [ppm]	20 ppm
Prince Edward Island	OEL TWA [ppm]	20 ppm
Québec	VEMP (OEL TWA) [ppm]	20 ppm
Saskatchewan	OEL STEL [ppm]	30 ppm
Saskatchewan	OEL TWA [ppm]	20 ppm
Yukon	OEL STEL	720 mg/m <sup>3</sup>
Yukon	OEL STEL [ppm]	150 ppm
Yukon	OEL TWA	240 mg/m³
Yukon	OEL TWA [ppm]	50 ppm

## 8.2. Exposure Controls

**Appropriate Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Safety glasses with side-shields.







Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

**Eye and Face Protection:** Safety glasses with side-shields. **Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1. Information on Basic Physical and Chemical Properties

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Physical State : Liquid
Appearance : Blue
Odor : Solvent

Odor Threshold : No data available

**pH** : 6.5 – 8

Evaporation Rate: No data availableMelting Point: No data availableFreezing Point: No data availableBoiling Point:  $\geq 100 \,^{\circ}\text{C} \, (212 \,^{\circ}\text{F})$ 

Flash Point :  $> 100 \,^{\circ}\text{C} \, (212 \,^{\circ}\text{F}) \, (Estimate)$ 

**Auto-ignition Temperature** No data available **Decomposition Temperature** No data available Flammability (solid, gas) Not applicable **Lower Flammable Limit** No data available No data available **Upper Flammable Limit** No data available **Vapor Pressure** > 1 (Air = 1) Relative Vapor Density at 20°C **Relative Density** 0.995 (Water = 1)

Density:  $\approx 994.3 \, \text{g/l} \, (8.298 \, \text{lb/gal})$ Specific Gravity: No data availableSolubility: Water: SolublePartition Coefficient: N-Octanol/Water: No data availableViscosity: No data availableVOC content: 41.5  $\, \text{g/l} \, (0.35 \, \text{lb/gal})$ 

## **SECTION 10: STABILITY AND REACTIVITY**

#### 10.1. Reactivity:

Hazardous reactions will not occur under normal conditions.

#### 10.2. Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

#### 10.4. Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, and incompatible materials.

#### 10.5. Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

#### 10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>). Unidentified organic compounds.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

## 11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified
Acute Toxicity (Dermal): Not classified
Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data:

No additional information available **Skin Corrosion/Irritation:** Not classified

pH: 6.5 - 8

Eye Damage/Irritation: Causes serious eye damage.

**pH:** 6.5 - 8

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): May cause damage to organs (liver, nervous system, hematopoietic system)

through prolonged or repeated exposure (oral, Inhalation).

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Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation. **Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

Chronic Symptoms: May cause damage to organs (liver, nervous system, hematopoietic system) through prolonged or repeated

exposure (oral, Inhalation).

# 11.2. Information on Toxicological Effects - Ingredient(s)

#### LD50 and LC50 Data:

Alcohols, C9-11, ethoxylated (68439-46-3)		
1400 mg/kg		
Diethylene glycol monobutyl ether (112-34-5)		
5660 mg/kg		
2700 mg/kg		
2-Butoxyethanol (111-76-2)		
470 mg/kg		
435 mg/kg		
486 ppm/4h		
2-Butoxyethanol (111-76-2)		
3		

# **SECTION 12: ECOLOGICAL INFORMATION**

#### 12.1. Toxicity

Ecology - General: Not classified.

Diethylene glycol monobutyl ether (112-34-5)		
LC50 Fish 1	1300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])	
EC50 - Crustacea [1]	> 100 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
2-Butoxyethanol (111-76-2)		
LC50 Fish 1	1490 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])	
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
LC50 Fish 2	2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)	

## 12.2. Persistence and Degradability

Performance Plus Bug Buster Windshield Washer Fluid – Super Concentrate	
Persistence and Degradability	Not established.

# 12.3. Bioaccumulative Potential

Performance Plus Bug Buster Windshield Washer Fluid – Super Concentrate		
Bioaccumulative Potential	Not established.	
Diethylene glycol monobutyl ether (112-34-5)		
BCF Fish 1	(no bioconcentration expected)	
2-Butoxyethanol (111-76-2)		
Partition coefficient n-octanol/water	0.81 (at 25 °C)	
(Log Pow)		

# 12.4. Mobility in Soil

No additional information available

#### 12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

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#### **SECTION 13: DISPOSAL CONSIDERATIONS**

#### 13.1. Waste treatment methods

**Waste Treatment Methods:** Can be landfilled or incinerated, when in compliance with local regulations. . Consult supplier for specific recommendations.

Sewage Disposal Recommendations: Do not dispose of waste into sewer.

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

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

#### **SECTION 14: TRANSPORT INFORMATION**

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

#### 14.1. In Accordance with DOT

Not regulated for transport

#### 14.2. In Accordance with IMDG

Not regulated for transport

#### 14.3. In Accordance with IATA

Not regulated for transport

#### 14.4. In Accordance with TDG

Not regulated for transport

## **SECTION 15: REGULATORY INFORMATION**

#### 15.1. US Federal Regulations

Performance Plus Bug Buster Windshield Washer Fluid – Super Concentrate		
SARA Section 311/312 Hazard Classes	Health hazard - Specific target organ toxicity (single or repeated	
	exposure)	
	Health hazard - Serious eye damage or eye irritation	
Alcohols, C9-11, ethoxylated (68439-46-3)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active		
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the	
	Chemical Data Reporting Rule, (40 CFR 711).	
Diethylene glycol monobutyl ether (112-34-5)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active		
2-Butoxyethanol (111-76-2)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active		

#### 15.2. US State Regulations

#### 2-Butoxyethanol (111-76-2)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

#### 15.3. Canadian Regulations

#### Alcohols, C9-11, ethoxylated (68439-46-3)

Listed on the Canadian DSL (Domestic Substances List)

# Diethylene glycol monobutyl ether (112-34-5)

Listed on the Canadian DSL (Domestic Substances List)

#### 2-Butoxyethanol (111-76-2)

Listed on the Canadian DSL (Domestic Substances List)

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date of Preparation or Latest** : 08/04/2022

Revision

**Indication of Changes** : Review of data. Language modified.

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#### Other Information

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

#### **GHS Full Text Phrases:**

H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure

NFPA Health Hazard

: 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA Fire Hazard

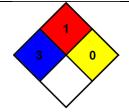
1 - Materials that must be preheated before ignition can

occur.

**NFPA Reactivity Hazard** 

0 - Material that in themselves are normally stable, even

under fire conditions.



The information contained herein is correct to the best of our knowledge, information, and belief and is designed only as guidance for the handling, use, processing, storage, transportation, disposal, and release of the product. User assumes all risks incident to use of this product and shall determine the quality and suitability of the product for its use. Supplier offers no warranty, express or implied, whatsoever, including warranties of merchantability or fitness for a particular purpose or otherwise, and specifically disclaims any and all liability for incidental, consequential, or other damages arising out the use or misuse of the product. The information provided relates only to the specific material provided and may not be valid if used in combination with any other materials or process, unless specified herein.

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