



SAFETY DATA SHEET

Bloomco Division of Double B Automotive Warehousing Inc. Glass Cleaner.

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation: Glass Cleaner
Date of Safety Data Sheet: December 16, 2018
Use of Preparation: Glass Cleaner
Company Identification: Bloomco, Division of Double D Automotive Warehousing Inc.
5035 North Service Road, #B1,
Burlington, Ontario. L7L 5V2
(905) 332-8070

Company Emergency Telephone Number Emergency Phone: 1-800-667-9168

Transportation Emergency Telephone Number CANUTEC 613-996-6666 or * 666 for cell phone

2. HAZARD IDENTIFICATION

Emergency Overview:

OSHA / WHMIS 2015 Hazards

Classification of substance or mixture

GHS-US/Canadian classification:

GHS Hazards

Flammable Liquid and Vapour Category 3 H226

Skin Irritation Category 2 H315

Eye Irritation Category 2A H319

Label Elements

GHS Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Danger

Hazard Statements (GHS):

H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

Precautionary Statements (GHS):

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use only non-sparking tools.



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P243: Take precautionary measures against static discharge.
P260: Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection

Response Statements (GHS):

P301+P310 - IF SWALLOWED: Do not induce vomiting. Immediately call a POISON CENTER or doctor/physician.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Ethanol	64-17-5	7-15	Flammable Liquids Category 2 – H225 Serious Eye Damage/Eye Irritation Category 2A – H319
Methanol	67-56-1	0.1-1.0	Flammable Liquids Category 2 – H225 Acute Toxicity (Oral) Category 3 – H301 Acute Toxicity (Dermal) Category 3 – H311 Acute Toxicity (Inhalation) Category 3 – H331
Ethylene Glycol Monobutyl ether	111-76-2	1-5	Flammable Liquids Category 4 – H227 Skin Corrosion/Irritation Category 2 – H315

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms persist consult physician.
Eye Contact: Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists, get medical attention.
Skin Contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.
Ingestion: Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.
Notes to Physician: Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: As per surrounding fire. Caution: Use of water spray when fighting fire may be inefficient.
Small Fire: Use alcohol resistant foam, dry chemical, CO2 or water spray.
Large Fire: Use alcohol resistant foam, fog or water spray - Do not use water jets.



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Unsuitable extinguishing media:	If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers. Alcohol resistant foam is a preferred firefighting medium, but if not available, fine water spray can be used.
Special exposure hazards	No information available.
Special safety equipment:	Fire or excessive heat may produce hazardous decomposition products.
Fire and explosion	Self-contained positive pressure breathing apparatus and protective clothing. FLAMMABLE: These liquids have a low flashpoint - Will be easily ignited by heat, sparks or flame. Vapours will form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Most vapours are heavier than air and will collect in low or confined areas (drains, basements, tanks). Many liquids are lighter than water. Containers may explode when heated. Fire will produce irritating, poisonous and/or corrosive gases. Vapours from runoff may create explosion hazard.
Further information	Keep containers and surrounding cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe mist or dust.

For Non-Emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes to prevent migration and entry into sewers or streams. Eliminate all ignition sources (no smoking, flares, sparks or flame) within at least 50m - All equipment used when handling the product must be earthed. Do not touch or walk through spilled material. Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Vapour-suppressing foam may be used to control vapours - Water spray may be used to knock down or divert vapour clouds. Absorb with earth, sand or other non-combustible material. Use clean, non-sparking tools to collect absorbed material and place it into loosely-covered metal or plastic containers for later disposal.

Methods for Cleaning Up: Clear up spills immediately by sweeping up and dispose of waste safely.

Reference to Other Sections:

See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of mist.

Information about fire - and explosion protection:

Keep respiratory protective device available.

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No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location below 120F/49C

Information about storage in one common storage facility:

Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well-ventilated area.

Keep container tightly sealed.

Keep away from heat and flame.

Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:	Use local exhaust or dilution ventilation.
Hand protection:	Chemical resistant gloves.
Eye protection:	Safety goggles.
Skin protection:	Use body-covering clothing.
Working hygiene:	Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.
Exposure Guidelines:	
Ethanol:	ACGIH-TLV TWA:200 ppm STEL: 400 ppm
Methanol:	ACGIH-TLV TWA:200 ppm STEL: 400 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid	Odour	Alcohol.
Appearance	Clear.	Odour Threshold	No data available.
Colour	Blue	Remarks/Method	
Property	Values		
pH	9.0 +/-0.5	None known	
Melting/Freezing Point	No data available	None known	
Boiling Point/Range	No data available	None known	
Flash Point	41 C TCC.	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	Flammable	None known	
Flammability Limit in Air:			
Upper Limit	No data available	None known	



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Lower Limit	No data available	None known
Vapour Pressure	No data available	None known
Vapour density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Soluble in water.	None known
Solubility Other Solvents	No data available	None known
Partition Coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition Temperature	No data available	None known
Kinematic Viscosity	No data available	None known
Dynamic Viscosity	No data available	None known
Explosive Properties	No data available	None known
Oxidizing Properties	No data available	None known

Other Properties:

Softening Point	No data available
VOC Content %	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity	Stable at normal ambient temperature and pressure.
Chemical stability	No decomposition if stored and applied as directed.
Thermal decomposition/conditions to avoid:	Stable under normal conditions.
Possibility of hazardous reactions	Reacts with acids. Reacts with reducing and oxidizing agents.
Conditions to avoid	Store away from reducing agents, acids.
Hazardous decomposition products	Acids, oxidizing and reducing agents.
Materials to avoid	Oxides of carbon.
Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Harmful if swallowed.

Routes of Entry Inhalation, ingestion, eye or skin

LD/LC50 values relevant for classification

Not available

On the skin: Causes drying of the skin.

On the eye: Causes pain and redness.

Respiratory or Skin Sensitization: No ingredients classified as sensitizer.

Additional toxicological information:

Carcinogenicity: Not classified as hazardous.

Reproductive Toxicity: Not classified as hazardous.

Specific Target Organ Toxicity

Single Exposure: Not classified as hazardous.

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Specific Target Organ Toxicity

Repeated Exposure: Not classified as hazardous.

Aspiration Hazard: Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

Toxicity:	Not classified
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available.
Other Adverse Effects	
Other Information:	All of the organic components of this product are readily biodegradable.

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

14. TRANSPORTATION INFORMATION

Canadian TDG (Road & Rail): Not Regulated
U.S. Department of Transportation (DOT): Not Regulated
Water Transportation (IMO): Not Regulated
Air Transportation (IATA): Not Regulated

15. REGULATION

Occupational Health & Safety Regulations:

WHMIS 1988 Classification: Class B-Division 3. Class D - Division 2B.



OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

International Inventories

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	-
PICCS	-
AICS	Complies

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Legend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

HMIS III Rating:

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

Flammability: 2 Hazard

Physical: 0 Minimal Hazard

Personal Protection: B

SDS US (GHS HazCom 2012) SDS Canada (GHS WHMIS 2015)

16. OTHER INFORMATION

Prepared By: Lizmar
551 Catchmore Road
Campbellford, Ontario
K0L 1L0

Issuing Date: March 20, 2018

Revision Date: December 16, 2018

Revision Notes: Signal Word (GHS) updated to Danger.

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However, we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet



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