



SAFETY DATA SHEET

Bloomco Division of Double B Automotive Warehousing Inc. Kleen Off

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

Identification of Preparation: Kleen Off
Date of Safety Data Sheet: June 21, 2017

Use of Preparation: Cleaner.

Company Identification: Bloomco, Division of Double B Automotive Warehousing Inc.
5036 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 Liquids Category 3 H226
Aspiration Hazard Category 1 H304
Skin Irritant Category 2 H315
Eye Irritant Category 2A H319
Acute Toxicity Inhalation Category 4 H332
Specific Target Organ Toxicity – Single Exposure Category 3 H335
Carcinogenicity Category 2 H351
Label Elements
GHS Labeling
Hazard Pictograms (GHS):



Signal Word (GHS): Danger
Hazard Statements (GHS):
H226: Flammable liquid and vapor.



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- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H335: May cause respiratory irritation.
- H351: Suspected of causing cancer.
- H361: Suspected of damaging fertility or the unborn child.

Precautionary Statements (GHS):

- P101: If medical advice is needed, have product container or label at hand.
- P102: Keep out of reach of children.
- P103: Read label before use.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233: Keep container tightly closed.
- P241: Use explosion-proof electrical/ventilating/light/handling/equipment.
- P242: Use only non-sparking tools.
- P243: Take precautionary measures against static discharge.
- P261: Avoid breathing vapors.
- P264: Wash hands thoroughly after handling.
- P271: Use only outdoors or in a well-ventilated area.
- P280: Wear protective gloves /eye protection/face protection.

Response Statements (GHS):

- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- 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. Get medical attention.
- P308 + P313: If exposed or concerned: Get medical advice/ attention.
- P312: Call a POISON CENTER/ doctor if you feel unwell.
- P331: Do NOT induce vomiting.
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P337+P313: If eye irritation persists get medical advice/attention.
- P362: Take off contaminated clothing.
- P403: Store in a well-ventilated place.
- P405: Store locked up.
- P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

| Ingredient | CAS# | % by Wt | Classification |
|------------|-----------|---------|---|
| Xylene | 1330-20-7 | 7-13 | Flammable Liquids Category 3 – H226 Aspiration Hazard Category 1 – H304 Skin Corrosion / Irritation Category 2 – H315 |



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| | | | |
|--|------------|-------|---|
| | | | Serious Eye Damage / Eye Irritation Category 2A – H319 STOT Single Exposure Respiratory Tract Irritation Category 3 – H335 STOT Single Exposure Narcotic Effects Category 3 – H336 Carcinogenicity Category 2 – H351 Reproductive Toxicity Category 2 – H361 |
| Ethylbenzene | 100-41-4 | 1-5 | Flammable Liquids Category 3 – H226 Aspiration Hazard Category 1 – H304 Skin Corrosion / Irritation Category 2 – H315 Serious Eye Damage / Eye Irritation Category 2A – H319 STOT Single Exposure Respiratory Tract Irritation Category 3 – H335 STOT Single Exposure Narcotic Effects Category 3 – H336 Carcinogenicity Category 2 – H351 Reproductive Toxicity Category 2 – H361 |
| C9-C11 Isoalkanes | 68551-16-6 | 30-60 | Flammable Liquids Category 3 – H226 Aspiration Hazard Category 1 – H304 |
| Ethylene Glycol Monobutyl Ether | 111-76-2 | 1-5 | Flammable Liquids Category 4 – H227 Skin Corrosion / Irritation Category 2 – H315 |
| Polyethylene glycol 4-tert-octylphenyl ether | 9002-93-1 | 1-5 | Acute Toxicity Oral Category 4 – H302 Skin Corrosion / Irritation Category 3 – H316 Serious Eye Damage / Eye Irritation Category 1 – H318 |

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. Get medical attention immediately. |
| 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. |
| Most important symptoms and effects, both acute and delayed: | Causes skin irritation. Redness, swelling, itching and dryness. May cause respiratory irritation. May cause coughing and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. May cause headache, nausea, dizziness and other symptoms of central nervous system depression. May cause eye irritation. Symptoms may include stinging and tearing. Prolonged exposure can cause central nervous system effects. Contains a chemical or chemicals |



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Indication of any immediate medical attention and special treatment needed:

which can cause birth defects or other reproductive harm. Suspected of causing cancer.

Treat symptomatically. Aspiration hazard. This product is a CNS depressant.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water fog, CO₂, extinguishing powder, foam.

Unsuitable Extinguishing Media
Specific Exposure Hazards

Do not use a heavy water stream as it may scatter and spread the fire. Vapours may form explosive mixtures with air. Flash back possible over considerable distance. Closed containers may rupture when exposed to extreme heat. Air oxidation of this product may cause it to spontaneous combust. To avoid spontaneous combustion, prevent residue build-up and soak soiled rags, spray booth filter and overspray in a closed water filled metal container. Do not pressurize, cut, weld, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition as the container may explode.

Hazardous Combustion Products

None known

Explosion Data:

Sensitivity to Mechanical Impact:

None.

Sensitivity to Static Discharge:

Static discharge, impact, friction, and heat may ignite exposed chemical material.

Special safety equipment:

Self-contained positive pressure breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective clothing.

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.

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 powder spills with dikes to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately 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:

Use appropriate personal protection equipment (PPE).

Avoid inhalation, skin and eye contact.

Ensure good ventilation/exhaustion at the workplace.

Vapours may form explosive mixtures with air. Flash back possible over considerable distance.

Closed containers may rupture when exposed to extreme heat.



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Air oxidation of this product may cause it to spontaneous combust. To avoid spontaneous combustion, prevent residue build-up and soak soiled rags, spray booth filter and overspray in a closed water filled metal container. Do not pressurize, cut, weld, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition as the container may explode.

Information about fire and explosion protection:

Keep respiratory protective device available.

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.

Avoid storage near extreme heat or sources of ignition.

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.

Specific end use(s):

If exposure exceeds occupational limits (TLV value) wear air purifying respirator.

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:

Petroleum Distillates: 5mg/m3 (mist)

Xylene: USA ACGIH (TWA) 100 ppm (8 hours)
USA ACGIH (STEL) 150 ppm (8 hours)
USA OSHA (PEL) 100 ppm (8 hours)

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------------------|-----------------------|------------------------|--------------------|
| Physical State | Liquid | | |
| Appearance | Clear. | Odour | Solvent. |
| Colour | Water white to amber. | Odour Threshold | No data available. |
| Property | Values | Remarks/Method | |
| pH | No data available | None known | |
| Melting/Freezing Point | No data available | None known | |
| Boiling Point/Range | 138 C | None known | |
| Flash Point | 25 C Xylene | None known | |



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|----------------------------|------------------------|------------|
| Evaporation Rate | Similar | None known |
| Flammability (solid, gas) | Flammable | None known |
| Flammability Limit in Air: | | |
| Upper Limit | No data available | None known |
| Lower Limit | No data available | None known |
| Vapour Pressure | No data available | None known |
| Vapour density | No data available | None known |
| Specific Gravity | 0.82 g/cm ³ | |
| Water Solubility | Insoluble. | 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. |
| Conditions to avoid | Keep away from heat and sources of ignition. |
| Hazardous decomposition products | Hazardous gases and vapors produced in fire are oxides of carbon. |
| Materials to avoid | Oxidizing agents |
| Hazardous polymerization | Will not occur |

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Harmful if swallowed.

LD/LC50 values relevant for classification:

| Chemical Name/CAS# | LC 50 (Inhalation 4 hr Rat) | LD 50(Oral Rat) | LD 50(Dermal Rabbit) |
|----------------------------|--------------------------------|-----------------|----------------------|
| Xylene CAS# 1330-20-7 | 6350 ppm (27.6 mg/L) (vapours) | 3,253 mg/kg | 12,180 mg/kg |
| Ethylbenzene CAS# 100-41-4 | 4000 ppm (17.4 mg/L) (vapours) | 3,500 mg/kg | 15,380 mg/kg |

Routes of Entry Inhalation, ingestion, eye or skin contact

Carcinogenicity:

Chemical Name CAS Number IARC NTP OSHA

Ethylbenzene, Xylene

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.

Teratogenicity: No evidence of a teratogenic effect (birth defect).



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Sensitization: No data available for mixture.

Reproductive: Ethylbenzene, Xylene.

Target Organ Effects:

Acute: No information available

Chronic: None known

12. ECOLOGICAL INFORMATION

| | |
|--|---|
| Toxicity: | Not classified |
| Persistence and Degradability: | Not available |
| Bioaccumulative Potential: | No data available |
| Mobility in Soil: | Not available. |
| Other Adverse Effects: | No data available |
| Other Information: | Avoid release to the environment. |
| Aquatic Toxicity: | Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility. |
| Toxicity to algae, fish invertebrates | No data available |
| Biodegradation: | No data available. |

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.

Empty Containers: Do not pierce, drill or burn even after use. Container under pressure.

14. TRANSPORTATION INFORMATION

Canadian TDG (Road & Rail): Regulated Material

Proper Shipping Name: Flammable Liquid N.O.S.

Contains: Xylene, Petroleum distillates.

Hazard Class: 3

ID Number: UN 1993

Packing Group: II



U.S. Department of Transportation (DOT): Regulated Material

Proper Shipping Name: Flammable Liquid N.O.S.

Contains: Xylene, Petroleum distillates.

Hazard Class: 3

ID Number: UN 1993

Packing Group: II



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Water Transportation (IMDG): Regulated Material

Proper Shipping Name: Flammable Liquid N.O.S.

Contains: Xylene, Petroleum distillates.

Hazard Class: 3

ID Number: UN 1993

Packing Group: II



Air Transportation (IATA): Regulated Material

Proper Shipping Name: Flammable Liquid N.O.S.

Contains: Xylene, Petroleum distillates.

Hazard Class: 3

ID Number: UN 1993

Packing Group: II



15. REGULATION

Occupational Health & Safety Regulations:

WHMIS Classification: Class D - Division 2B, Class B



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/NDSL

Complies



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| | |
|---------------|----------|
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | - |
| PICCS | - |
| AICS | Complies |

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: 3 Serious Hazard

Flammability: 3 Serious Hazard

Physical: 2 Hazard

Personal Protection: B

SDS US (GHS HazCom 2012 and WHMIS 2015)

16. OTHER INFORMATION

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

Issuing Date: June 21, 2017

Disclaimer:



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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