**Section 1 - Chemical Product and Company Identification**

**Part Number:** 208  
**Product Use:** Gasoline Additive

**Manufacturer Information**  
BG Products Inc.  
701 S. Wichita Street  
Wichita, KS 67213  
Phone: (316) 265-2686  
Fax: (316) 265-0718  
Emergency #: 1-800-424-9300 (CHEMTREC)

**Section 2 - Hazards Identification**

**Emergency Overview**

**DANGER**
- COMBUSTIBLE! Do not use or store near flames, sparks, or hot surfaces.
- HARMFUL OR FATAL IF SWALLOWED!
- EYE AND SKIN IRRITANT! Avoid contact with eyes, skin, and clothing.
- This product may be harmful by inhalation. Avoid prolonged breathing of fumes. Use with adequate ventilation.

**HMIS Ratings:**  
Health: 2  Fire: 2  Physical Hazard: 0  Pers. Prot.: B

**Hazard Scale:** 0 = Minimal  1 = Slight  2 = Moderate  3 = Serious  4 = Severe  * = Chronic hazard

**Section 3 - Composition / Information on Ingredients**

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixture</td>
<td>Petroleum distillates</td>
<td>40-70</td>
</tr>
<tr>
<td>8052-41-3</td>
<td>Mineral spirits</td>
<td>10-30</td>
</tr>
</tbody>
</table>

**Component Related Regulatory Information**

This product may be regulated, have exposure limits or other information identified as the following: Naphtha (petroleum), hydrotreated heavy, Petroleum distillates, hydrotreated light, Petroleum naphtha, light aromatic.

**Component Information**

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication). This product is considered a controlled product under the Canadian Controlled Products Regulations (CPR).

**Section 4 - First Aid Measures**

**First Aid: Eyes**

In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

**First Aid: Skin**

For skin contact flush with large amounts of water while removing contaminated clothing. If irritation persists, get medical attention.

**First Aid: Ingestion**

If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel.
First Aid: Inhalation
Move person to non-contaminated air. Give artificial respiration if not breathing. Call a physician if symptoms develop or persist.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards
See Section 9 for Flammability Properties.
Keep away from heat, sparks, or open flame.

Hazardous Combustion Products
Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Extinguishing Media
Dry chemical, foam, carbon dioxide.

Fire Fighting Equipment/Instructions
Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

NFPA Ratings: Health: 2 Fire: 2 Reactivity: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures
Contain the discharged material. Remove sources of ignition.

Clean-Up Procedures
Wear appropriate protective equipment and clothing during clean-up. Absorb spill with inert material. Shovel material into appropriate container for disposal.

Evacuation Procedures
Isolate area. Keep unnecessary personnel away. In case of large spills, follow all facility emergency response procedures.

Special Procedures
Wear appropriate personal protective equipment.

*** Section 7 - Handling and Storage ***

Handling Procedures
Avoid getting this material into contact with your skin and eyes. Wash thoroughly after handling. Use this product with adequate ventilation. Keep container closed.

Storage Procedures
Do not store this material in open or unlabeled containers. Store this product in air-tight containers away from sources of heat and light.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits
Mineral spirits (8052-41-3)
ACGIH: 100 ppm TWA
OSHA: 100 ppm TWA; 525 mg/m³ TWA
NIOSH: 350 mg/m³ TWA
1800 mg/m³ Ceiling (15 min)

B: Canadian Provincial Exposure Limits

Petroleum distillates (Mixture)
- British: 200 mg/m³ TWA (as total hydrocarbon vapour) (related to Jet fuels)
- Columbia: Skin notation (related to Jet fuels)

Mineral spirits (8052-41-3)
- Alberta: 100 ppm TWA; 572 mg/m³ TWA
- British: 290 mg/m³ TWA
- Columbia: 580 mg/m³ STEL
- Manitoba: 100 ppm TWA
- New Brunswick: 100 ppm TWA; 525 mg/m³ TWA
- Northwest Territories: 100 ppm TWA; 575 mg/m³ TWA; 125 ppm STEL; 720 mg/m³ STEL
- Nova Scotia: 100 ppm TWA
- Nunavut: 100 ppm TWA; 575 mg/m³ TWA; 125 ppm STEL; 720 mg/m³ STEL
- Ontario: 525 mg/m³ TWA
- Quebec: 100 ppm TWA; 525 mg/m³ TWA; 125 ppm STEL; 720 mg/m³ STEL
- Saskatchewan: 525 mg/m³ TWA; 100 ppm TWA; 656 mg/m³ STEL; 125 ppm STEL
- Yukon: 100 ppm TWA; 575 mg/m³ TWA; 150 ppm STEL; 720 mg/m³ STEL

Engineering Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face
- Wear safety glasses; chemical goggles (if splashing is possible).

Personal Protective Equipment: Skin
- Use appropriate hand protection.

Personal Protective Equipment: Respiratory
- Use NIOSH approved respirator with cartridge, air line, or SCBA as appropriate based on workplace exposure evaluations.

Personal Protective Equipment: General
- Use good industrial hygiene practices in handling this material.

*** Section 9 - Physical & Chemical Properties ***

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Light yellow</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Flash Point Method</td>
<td>PMCC</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.8533</td>
</tr>
<tr>
<td>Solubility (H₂O)</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not Available</td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not Available</td>
</tr>
<tr>
<td>pH</td>
<td>Not Available</td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent</td>
</tr>
<tr>
<td>Flash Point</td>
<td>43°C (110°F)</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>156°C (312°F)</td>
</tr>
<tr>
<td>Pour Point</td>
<td>-48°C (-55°F)</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>7.114 lbs/gal</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not Available</td>
</tr>
<tr>
<td>Auto Ignition</td>
<td>Not Available</td>
</tr>
<tr>
<td>Upper Flammability Limit</td>
<td>Not Available</td>
</tr>
</tbody>
</table>
Material Safety Data Sheet

** Section 10 - Chemical Stability & Reactivity Information **

Chemical Stability
Stable under normal conditions.

Chemical Stability: Conditions to Avoid
Keep away from heat, ignition sources and incompatible materials. Avoid strong oxidizing agents.

Incompatibility
This product may react with oxidizing agents. Strong oxidizing agents (peroxides, chlorine, strong acids).

Hazardous Decomposition
Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Possibility of Hazardous Reactions
Will not occur.

** Section 11 - Toxicological Information **

Acute Dose Effects

A: General Product Information
An LD50 value for this product has not been determined.

B: Component Analysis - LD50/LC50
Petroleum distillates (Mixture)
Oral LD50 Rat: >5000 mg/kg; Dermal LD50 Rabbit: >3160 mg/kg (related to Naphtha (petroleum), hydrotreated heavy)

Carcinogenicity

A: General Product Information
No carcinogenicity data available for this product.

B: Component Carcinogenicity
None of this product’s components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

** Section 12 - Ecological Information **

Ecotoxicity
No information available for the product.

** Section 13 - Disposal Considerations **

Waste Disposal Instructions
Dispose of in accordance with all applicable Federal, State, Provincial, and local regulations.

** Section 14 - Transportation Information **

US DOT Information

208, 20832, 2081, 208A:
Shipping Name: Consumer Commodity, ORM-D

2085:
Shipping Name: Flammable Liquid, n.o.s. (contains Petroleum Distillates and Mineral Spirits)
**IMDG Information**

208, 20832, 2081, 208A:
- **Shipping Name:** Flammable Liquid, n.o.s. (contains Petroleum Distillates and Mineral Spirits)
- **UN #:** 1993 **Hazard Class:** 3 **Packing Group:** III **Flash Point:** 43°C
- **Required Label(s):** Limited Quantity

2085:
- **Shipping Name:** Flammable Liquid, n.o.s. (contains Petroleum Distillates and Mineral Spirits)
- **UN #:** 1993 **Hazard Class:** 3 **Packing Group:** III **Flash Point:** 43°C
- **Required Label(s):** Flammable

**IATA Information**

208, 20832, 2081, 208A:
- **Shipping Name:** Flammable Liquid, n.o.s. (contains Petroleum Distillates and Mineral Spirits)
- **UN #:** 1993 **Hazard Class:** 3 **Packing Group:** III **Flash Point:** 43°C
- **Required Label(s):** Limited Quantity

2085:
- **Shipping Name:** Flammable Liquid, n.o.s. (contains Petroleum Distillates and Mineral Spirits)
- **UN #:** 1993 **Hazard Class:** 3 **Packing Group:** III **Flash Point:** 43°C
- **Required Label(s):** Flammable

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**US Federal Regulations**

Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. Components not identified on this non-confidential inventory are exempt from listing (i.e. as polymers) or are listed on the confidential inventory as declared by the supplier.

**A: Component Analysis**

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

**B: Component Analysis - Inventory**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>TSCA</th>
<th>CAN</th>
<th>EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral spirits</td>
<td>8052-41-3</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
</tbody>
</table>

**State Regulations**

Other state regulations may apply. Check individual state requirements.

**Component Analysis - State**

The following components appear on one or more of the following state hazardous substances lists:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
<th>RI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral spirits</td>
<td>8052-41-3</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Component Analysis - WHMIS IDL**

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Minimum Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral spirits</td>
<td>8052-41-3</td>
<td>1 %</td>
</tr>
</tbody>
</table>
Other Information

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use. You must notify each person to whom this mixture or trade name product is sold. This statement must not be detached. Any copy or redistribution of the Material Safety Data Sheet shall include this statement.

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; CAS = Chemical Abstract Services; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; CPR = Controlled Product Regulations; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EPA = Environmental Protection Agency; HMIS = Hazardous Materials Information System; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; IDL = Ingredient Disclosure List; IMDG = International Maritime Dangerous Goods; LC50 = Lethal Concentration 50%; LD50 = Lethal Dose 50%; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Agency; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; SARA = Superfund Amendments and Reauthorization Act; SCBA = Self Contained Breathing Apparatus; TSCA = Toxic Substance Control Act; WHMIS = Workplace Hazardous Materials Information System.

Contact: Kolin Anglin, Environmental Coordinator
Contact Phone: 316-265-2686

End of MSDS 208