



# Material Safety Data Sheet

Hi-Delivery Carb & Choke Cleaner (Aerosol)

MSDS ID: 412

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

**Part Number:** 412 (Aerosol)

**Product Use:** Carb & Choke Cleaner

### 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

- EXTREMELY FLAMMABLE! Vapors may cause flash fire or explosion. Do not use or store near flames, sparks, or hot surfaces.
- POISON! MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED!
- CONTENTS UNDER PRESSURE!
- EYE AND SKIN IRRITANT! Avoid contact with eyes, skin, and clothing.
- VAPOR HARMFUL! Avoid prolonged breathing of fumes. Use with adequate ventilation.

**HMIS Ratings: Health: 2 Fire: 4 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 \*\*\*

CAS #	Component	Percent
64742-47-8	Petroleum distillates, hydrotreated light	15-40
88917-22-0	Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate	10-30
74-98-6	Propane	10-30
75-28-5	Isobutane	7-13
1330-20-7	Xylenes	5-10
67-64-1	Acetone	5-10
67-56-1	Methanol	5-10
100-41-4	Ethyl benzene	1-5

### 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 \*\*\*

### 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.

### Skin

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

### Ingestion

If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical



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personnel.

## 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: 4 Reactivity: 0 Other: 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



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### Propane (74-98-6)

ACGIH: 1000 ppm TWA (listed under Aliphatic hydrocarbon gases alkane C1-C4)  
OSHA: 1000 ppm TWA; 1800 mg/m<sup>3</sup> TWA  
NIOSH: 1000 ppm TWA; 1800 mg/m<sup>3</sup> TWA

### Isobutane (75-28-5)

ACGIH: 1000 ppm TWA (listed under Aliphatic hydrocarbon gases alkane C1-C4)  
NIOSH: 800 ppm TWA; 1900 mg/m<sup>3</sup> TWA

### Xylenes (1330-20-7)

ACGIH: 100 ppm TWA  
150 ppm STEL  
OSHA: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
150 ppm STEL; 655 mg/m<sup>3</sup> STEL

### Acetone (67-64-1)

ACGIH: 500 ppm TWA  
750 ppm STEL  
OSHA: 750 ppm TWA; 1800 mg/m<sup>3</sup> TWA  
1000 ppm STEL; 2400 mg/m<sup>3</sup> STEL (The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors)  
NIOSH: 250 ppm TWA; 590 mg/m<sup>3</sup> TWA

### Methanol (67-56-1)

ACGIH: 200 ppm TWA  
250 ppm STEL  
Skin - potential significant contribution to overall exposure by the cutaneous route  
OSHA: 200 ppm TWA; 260 mg/m<sup>3</sup> TWA  
250 ppm STEL; 325 mg/m<sup>3</sup> STEL  
Prevent or reduce skin absorption  
NIOSH: 200 ppm TWA; 260 mg/m<sup>3</sup> TWA  
250 ppm STEL; 325 mg/m<sup>3</sup> STEL  
Potential for dermal absorption

### Ethyl benzene (100-41-4)

ACGIH: 100 ppm TWA  
125 ppm STEL  
OSHA: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
125 ppm STEL; 545 mg/m<sup>3</sup> STEL  
NIOSH: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
125 ppm STEL; 545 mg/m<sup>3</sup> STEL

## B: Canadian Provincial Exposure Limits

### Petroleum distillates, hydrotreated light (64742-47-8)

British Columbia: 200 mg/m<sup>3</sup> TWA (as total hydrocarbon vapour)  
Columbia: Skin notation

### Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate (88917-22-0)

Ontario: 100 ppm TWAEV; 776 mg/m<sup>3</sup> TWAEV  
150 ppm STEV; 1164 mg/m<sup>3</sup> STEV

### Propane (74-98-6)

Alberta: 1000 ppm TWA; 1800 mg/m<sup>3</sup> TWA  
1500 ppm STEL; 2700 mg/m<sup>3</sup> STEL  
British Columbia: 1000 ppm TWA  
Columbia: 1000 ppm TWA  
Manitoba: 1000 ppm TWA (listed under Aliphatic hydrocarbon gases alkane C1-C4)  
Nova Scotia: 1000 ppm TWA (listed under Aliphatic hydrocarbon gases alkane C1-C4)  
Ontario: 1000 ppm TWAEV  
Quebec: 1000 ppm TWAEV; 1800 mg/m<sup>3</sup> TWAEV



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### Isobutane (75-28-5)

Manitoba: 1000 ppm TWA (listed under Aliphatic hydrocarbon gases alkane C1-C4)  
Nova Scotia: 1000 ppm TWA (listed under Aliphatic hydrocarbon gases alkane C1-C4)

### Xylenes (1330-20-7)

Alberta: 100 ppm TWA; 434 mg/m<sup>3</sup> TWA  
150 ppm STEL; 651 mg/m<sup>3</sup> STEL  
British Columbia: 100 ppm TWA  
Manitoba: 100 ppm TWA  
150 ppm STEL  
New Brunswick: 100 ppm TWA; 434 mg/m<sup>3</sup> TWA  
150 ppm STEL; 651 mg/m<sup>3</sup> STEL  
NW Territories: 100 ppm TWA; 434 mg/m<sup>3</sup> TWA  
150 ppm STEL; 652 mg/m<sup>3</sup> STEL  
Skin notation  
Nova Scotia: 100 ppm TWA  
150 ppm STEL  
Nunavut: 100 ppm TWA; 434 mg/m<sup>3</sup> TWA  
150 ppm STEL; 652 mg/m<sup>3</sup> STEL  
Skin notation  
Ontario: 100 ppm TWAEV; 435 mg/m<sup>3</sup> TWAEV  
150 ppm STEV; 650 mg/m<sup>3</sup> STEV  
Quebec: 150 ppm STEV; 651 mg/m<sup>3</sup> STEV  
100 ppm TWAEV; 434 mg/m<sup>3</sup> TWAEV  
Saskatchewan: 434 mg/m<sup>3</sup> TWA; 100 ppm TWA  
651 mg/m<sup>3</sup> STEL; 150 ppm STEL  
Yukon: 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
150 ppm STEL; 650 mg/m<sup>3</sup> STEL  
Skin notation

### Acetone (67-64-1)

Alberta: 750 ppm TWA; 1800 mg/m<sup>3</sup> TWA  
1000 ppm STEL; 2400 mg/m<sup>3</sup> STEL  
British Columbia: 250 ppm TWA  
Manitoba: 500 ppm TWA  
750 ppm STEL  
New Brunswick: 500 ppm TWA; 1188 mg/m<sup>3</sup> TWA  
1782 mg/m<sup>3</sup> STEL  
NW Territories: 1000 ppm TWA; 2370 mg/m<sup>3</sup> TWA  
1250 ppm STEL; 2970 mg/m<sup>3</sup> STEL  
Nova Scotia: 500 ppm TWA  
750 ppm STEL  
Nunavut: 1000 ppm TWA; 2370 mg/m<sup>3</sup> TWA  
1250 ppm STEL; 2970 mg/m<sup>3</sup> STEL  
Ontario: 500 ppm TWAEV  
750 ppm STEV  
Quebec: 1000 ppm STEV; 2380 mg/m<sup>3</sup> STEV  
500 ppm TWAEV; 1190 mg/m<sup>3</sup> TWAEV  
Saskatchewan: 1780 mg/m<sup>3</sup> TWA; 750 ppm TWA  
2380 mg/m<sup>3</sup> STEL; 1000 ppm STEL  
Yukon: 1000 ppm TWA; 2400 mg/m<sup>3</sup> TWA  
1250 ppm STEL; 3000 mg/m<sup>3</sup> STEL

### Methanol (67-56-1)

Alberta: 200 ppm TWA; 262 mg/m<sup>3</sup> TWA  
250 ppm STEL; 328 mg/m<sup>3</sup> STEL  
Substance may be readily absorbed through intact skin



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British Columbia:	200 ppm TWA 250 ppm STEL Skin notation
Manitoba:	200 ppm TWA 250 ppm STEL Skin - potential significant contribution to overall exposure by the cutaneous route
New Brunswick:	200 ppm TWA; 262 mg/m <sup>3</sup> TWA 250 ppm STEL; 328 mg/m <sup>3</sup> STEL Skin - potential for cutaneous absorption
NW Territories:	200 ppm TWA; 262 mg/m <sup>3</sup> TWA 250 ppm STEL; 328 mg/m <sup>3</sup> STEL Skin notation
Nova Scotia:	200 ppm TWA 250 ppm STEL Skin - potential significant contribution to overall exposure by the cutaneous route
Nunavut:	200 ppm TWA; 262 mg/m <sup>3</sup> TWA 250 ppm STEL; 328 mg/m <sup>3</sup> STEL Skin notation
Ontario:	200 ppm TWAEV; 260 mg/m <sup>3</sup> TWAEV 250 ppm STEV; 325 mg/m <sup>3</sup> STEV Absorption through skin, eyes, or mucous membranes
Quebec:	250 ppm STEV; 328 mg/m <sup>3</sup> STEV 200 ppm TWAEV; 262 mg/m <sup>3</sup> TWAEV Skin designation
Saskatchewan:	262 mg/m <sup>3</sup> TWA; 200 ppm TWA 328 mg/m <sup>3</sup> STEL; 250 ppm STEL
Yukon:	200 ppm TWA; 260 mg/m <sup>3</sup> TWA 250 ppm STEL; 310 mg/m <sup>3</sup> STEL Skin notation

## Ethyl benzene (100-41-4)

Alberta:	100 ppm TWA; 434 mg/m <sup>3</sup> TWA 125 ppm STEL; 543 mg/m <sup>3</sup> STEL
British Columbia:	100 ppm TWA
Columbia:	125 ppm STEL
Manitoba:	100 ppm TWA 125 ppm STEL
New Brunswick:	100 ppm TWA; 434 mg/m <sup>3</sup> TWA 125 ppm STEL; 543 mg/m <sup>3</sup> STEL
NW Territories:	100 ppm TWA; 434 mg/m <sup>3</sup> TWA 125 ppm STEL; 542 mg/m <sup>3</sup> STEL
Nova Scotia:	100 ppm TWA 125 ppm STEL
Nunavut:	100 ppm TWA; 434 mg/m <sup>3</sup> TWA 125 ppm STEL; 542 mg/m <sup>3</sup> STEL
Ontario:	100 ppm TWAEV; 435 mg/m <sup>3</sup> TWAEV 125 ppm STEV; 540 mg/m <sup>3</sup> STEV
Quebec:	125 ppm STEV; 543 mg/m <sup>3</sup> STEV 100 ppm TWAEV; 434 mg/m <sup>3</sup> TWAEV
Saskatchewan:	435 mg/m <sup>3</sup> TWA; 100 ppm TWA 543 mg/m <sup>3</sup> STEL; 125 ppm STEL
Yukon:	100 ppm TWA; 435 mg/m <sup>3</sup> TWA 125 ppm STEL; 545 mg/m <sup>3</sup> STEL

## Engineering Controls

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

## PERSONAL PROTECTIVE EQUIPMENT

Use good industrial hygiene practices in handling this material. Avoid inhalation of mists/vapors and



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contact with skin and eyes.

**EYES/FACE:** Wear safety glasses; chemical goggles (if splashing is possible).

**SKIN:** Use appropriate hand protection.

**RESPIRATORY:** Use NIOSH approved respirator with cartridge, air line, or SCBA as appropriate based on workplace exposure evaluations.

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

<b>Appearance:</b>	Clear	<b>Odor:</b>	Solvent
<b>Physical State:</b>	Liquid	<b>Flash Point:</b>	Not Determined
<b>Flash Point Method:</b>	Not Available	<b>Boiling Point:</b>	Not Available
<b>Melting Point:</b>	Not Determined	<b>Specific Gravity:</b>	0.843
<b>Bulk Density:</b>	7.035 lbs/gal	<b>Solubility (H2O):</b>	Insoluble
<b>Vapor Pressure:</b>	55 psig	<b>Vapor Density:</b>	Not Available
<b>Percent Volatile:</b>	45%	<b>Auto Ignition:</b>	Not Available
<b>Lower Flammability Limit:</b>	Not Available	<b>Upper Flammability Limit:</b>	Not Available
<b>pH:</b>	Not Available		

## \*\*\* 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, hydrotreated light (64742-47-8)

Inhalation LC50 Rat: >5.2 mg/L/4H; Oral LD50 Rat: >5000 mg/kg; Dermal LD50 Rabbit: >2000 mg/kg

##### Propane (74-98-6)

Inhalation LC50 Rat: 658 mg/L/

##### Isobutane (75-28-5)

Inhalation LC50 Rat: 658 mg/L/4H



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**Xylenes (1330-20-7)**

Inhalation LC50 Rat: 5000 ppm/4H; Oral LD50 Rat: 4300 mg/kg; Dermal LD50 Rabbit: >1700 mg/kg

**Acetone (67-64-1)**

Inhalation LC50 Rat: 76 mg/L/4H; Oral LD50 Rat: 1800 mg/kg; Dermal LD50 Rabbit: 20000 mg/kg

**Methanol (67-56-1)**

Inhalation LC50 Rat: 83.2 mg/L/4H; Inhalation LC50 Rat: 64000 ppm/4H; Oral LD50 Rat: 5628 mg/kg; Dermal LD50 Rabbit: 15800 mg/kg

**Ethyl benzene (100-41-4)**

Inhalation LC50 Rat: 17.2 mg/L/4H; Oral LD50 Rat: 3500 mg/kg; Dermal LD50 Rabbit: 15354 mg/kg

## Carcinogenicity

### A: General Product Information

No carcinogenicity data available for this product.

### B: Component Carcinogenicity

**Xylenes (1330-20-7)**

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999], Monograph 47 [1989] (Group 3 (not classifiable))

**Acetone (67-64-1)**

ACGIH: A4 - Not Classifiable as a Human Carcinogen

**Ethyl benzene (100-41-4)**

ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans

IARC: Monograph 77 [2000] (Group 2B (possibly carcinogenic to humans))

\*\*\* 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

Shipping Name: Consumer Commodity, ORM-D

## IMDG Information

Shipping Name: Aerosols, Flammable

UN #: 1950 Hazard Class: 2.1

Required Label(s): Limited Quantity

## IATA Information

Shipping Name: Aerosols, Flammable

UN #: 1950 Hazard Class: 2.1

Required Label(s): Limited Quantity



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\*\*\* Section 15 - Regulatory Information \*\*\*

### 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

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

##### Xylenes (1330-20-7)

SARA 313: 1.0 % de minimis concentration  
CERCLA: 100 lb final RQ; 45.4 kg final RQ

##### Acetone (67-64-1)

CERCLA: 5000 lb final RQ; 2270 kg final RQ

##### Methanol (67-56-1)

SARA 313: 1.0 % de minimis concentration  
CERCLA: 5000 lb final RQ; 2270 kg final RQ

##### Ethyl benzene (100-41-4)

SARA 313: 0.1 % de minimis concentration  
CERCLA: 1000 lb final RQ; 454 kg final RQ

#### B: Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Petroleum distillates, hydrotreated light	64742-47-8	Yes	DSL	EINECS
Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate	88917-22-0	Yes	DSL	No
Propane	74-98-6	Yes	DSL	EINECS
Isobutane	75-28-5	Yes	DSL	EINECS
Xylenes	1330-20-7	Yes	DSL	EINECS
Acetone	67-64-1	Yes	DSL	EINECS
METHANOL	67-56-1	Yes	DSL	EINECS
Ethyl benzene	100-41-4	Yes	DSL	EINECS

### 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:

Component	CAS	CA	MA	MN	NJ	PA	RI
Propane	74-98-6	No	Yes	Yes	Yes	Yes	Yes
Isobutane	75-28-5	No	Yes	No	Yes	Yes	No
Xylenes	1330-20-7	Yes	Yes	Yes	Yes	Yes	Yes
Acetone	67-64-1	Yes	Yes	Yes	Yes	Yes	Yes
METHANOL	67-56-1	Yes	Yes	Yes	Yes	Yes	Yes
Ethyl benzene	100-41-4	Yes	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

#### Component Analysis - WHMIS IDL

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



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Component	CAS #	Minimum Concentration
Acetone	67-64-1	1 %
METHANOL	67-56-1	1 %
Ethyl benzene	100-41-4	0.1 %

**\*\*\* Section 16 - Other Information \*\*\***

## 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 412**