



# Material Safety Data Sheet

Compression Performance Restoration (CPR)

MSDS ID: 109

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

**Part Number:** 109, 109WOR, 10932, 1091, 1092, 1095, 10930, 10953

**Product Use:** Compression Performance Additive

### Manufacturer Information

BG Products Inc.  
701 S. Wichita Street  
Wichita, KS 67213 USA  
www.bgprod.com

Phone: (800) 961-6228 or (316) 265-2686  
Fax: (316) 265-1082  
Emergency # 1-800-424-9300 (CHEMTREC)

## \*\*\* Section 2 - Hazards Identification \*\*\*

### Emergency Overview

#### CAUTION

- COMBUSTIBLE! Do not use or store near flames, sparks, or hot surfaces.
- EYE AND SKIN IRRITANT! Avoid contact with eyes, skin, and clothing.
- This product may be harmful if it is swallowed.
- This product may be harmful by inhalation. Avoid prolonged breathing of fumes. Use with adequate ventilation.

**HMIS Ratings: Health: 1 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 \*\*\*

CAS #	Component	Percent
64742-55-8	HYDROTREATED LIGHT PARAFINIC DISTILLATE	60-100
108-94-1	CYCLOHEXANONE	10-30
2807-30-9	ETHYLENE GLYCOL MONOPROPYL ETHER	7-13
108-11-2	METHYL AMYL ALCOHOL	3-7

### 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 personnel.

### Inhalation

Move person to non-contaminated air. Give artificial respiration if not breathing. Call a physician if symptoms develop or persist.



# Material Safety Data Sheet

Compression Performance Restoration (CPR)

MSDS ID: 109

## \*\*\* 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: 1 Fire: 2 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

#### CYCLOHEXANONE (108-94-1)

ACGIH: 20 ppm TWA  
50 ppm STEL  
Skin - potential significant contribution to overall exposure by the cutaneous route  
OSHA: 25 ppm TWA; 100 mg/m<sup>3</sup> TWA  
Prevent or reduce skin absorption  
NIOSH: 25 ppm TWA; 100 mg/m<sup>3</sup> TWA



# Material Safety Data Sheet

Compression Performance Restoration (CPR)

MSDS ID: 109

Potential for dermal absorption

## METHYL AMYL ALCOHOL (108-11-2)

ACGIH: 25 ppm TWA  
40 ppm STEL  
Skin - potential significant contribution to overall exposure by the cutaneous route

OSHA: 25 ppm TWA; 100 mg/m<sup>3</sup> TWA  
40 ppm STEL; 165 mg/m<sup>3</sup> STEL  
Prevent or reduce skin absorption

NIOSH: 25 ppm TWA; 100 mg/m<sup>3</sup> TWA  
40 ppm STEL; 165 mg/m<sup>3</sup> STEL  
Potential for dermal absorption

## B: Canadian Provincial Exposure Limits

### CYCLOHEXANONE (108-94-1)

Alberta: 25 ppm TWA; 100 mg/m<sup>3</sup> TWA  
Substance may be readily absorbed through intact skin

British Columbia: 20 ppm TWA  
50 ppm STEL  
Skin notation

Manitoba: 20 ppm TWA  
50 ppm STEL  
Skin - potential significant contribution to overall exposure by the cutaneous route

New Brunswick: 25 ppm TWA; 100 mg/m<sup>3</sup> TWA  
Skin - potential for cutaneous absorption

NW Territories: 25 ppm TWA; 100 mg/m<sup>3</sup> TWA  
100 ppm STEL; 400 mg/m<sup>3</sup> STEL

Nova Scotia: 20 ppm TWA  
50 ppm STEL  
Skin - potential significant contribution to overall exposure by the cutaneous route

Nunavut: 25 ppm TWA; 100 mg/m<sup>3</sup> TWA  
100 ppm STEL; 400 mg/m<sup>3</sup> STEL

Ontario: 20 ppm TWAEV  
50 ppm STEV  
Absorption through skin, eyes, or mucous membranes

Quebec: 25 ppm TWAEV; 100 mg/m<sup>3</sup> TWAEV  
Skin designation

Saskatchewan: 20 ppm TWA  
50 ppm STEL

Yukon: 50 ppm TWA; 200 mg/m<sup>3</sup> TWA  
50 ppm STEL; 200 mg/m<sup>3</sup> STEL

### ETHYLENE GLYCOL MONOPROPYL ETHER (2807-30-9)

Ontario: 25 ppm TWAEV; 110 mg/m<sup>3</sup> TWAEV  
Absorption through skin, eyes, or mucous membranes

### METHYL AMYL ALCOHOL (108-11-2)

Alberta: 25 ppm TWA; 104 mg/m<sup>3</sup> TWA  
40 ppm STEL; 167 mg/m<sup>3</sup> STEL  
Substance may be readily absorbed through intact skin

British Columbia: 25 ppm TWA  
40 ppm STEL  
Skin notation

Manitoba: 25 ppm TWA  
40 ppm STEL  
Skin - potential significant contribution to overall exposure by the cutaneous route

New Brunswick: 25 ppm TWA; 104 mg/m<sup>3</sup> TWA  
40 ppm STEL; 167 mg/m<sup>3</sup> STEL  
Skin - potential for cutaneous absorption



# Material Safety Data Sheet

## Compression Performance Restoration (CPR)

MSDS ID: 109

NW Territories: 25 ppm TWA; 105 mg/m3 TWA  
40 ppm STEL; 167 mg/m3 STEL  
Skin notation

Nova Scotia: 25 ppm TWA  
40 ppm STEL  
Skin - potential significant contribution to overall exposure by the cutaneous route

Nunavut: 25 ppm TWA; 105 mg/m3 TWA  
40 ppm STEL; 167 mg/m3 STEL  
Skin notation

Ontario: 25 ppm TWAEV; 104 mg/m3 TWAEV  
40 ppm STEV; 167 mg/m3 STEV  
Absorption through skin, eyes, or mucous membranes

Quebec: 40 ppm STEV; 167 mg/m3 STEV  
25 ppm TWAEV; 104 mg/m3 TWAEV  
Skin designation

Saskatchewan: 25 ppm TWA  
40 ppm STEL

Yukon: 25 ppm TWA; 100 mg/m3 TWA  
40 ppm STEL; 150 mg/m3 STEL  
Skin notation

### Engineering Controls

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

### PERSONAL PROTECTIVE EQUIPMENT

#### General

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

#### Skin

Use appropriate hand protection.

#### Respiratory

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

#### Eyes

Wear safety glasses; chemical goggles (if splashing is possible).

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

<b>Appearance:</b>	Light Amber	<b>Odor:</b>	Mild
<b>Physical State:</b>	Liquid	<b>Flash Point:</b>	43°C (110°F)
<b>Flash Point Method:</b>	PMCC	<b>Boiling Point:</b>	Not Determined
<b>Melting Point:</b>	Not Determined	<b>Pour Point:</b>	-21°C (-5°F)
<b>Specific Gravity:</b>	0.8767	<b>Bulk Density:</b>	7.309 lbs/gal
<b>Solubility (H2O):</b>	Insoluble	<b>Vapor Pressure:</b>	Not Available
<b>Vapor Density:</b>	Not Available	<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.



# Material Safety Data Sheet

Compression Performance Restoration (CPR)

MSDS ID: 109

## 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

##### HYDROTREATED LIGHT PARAFINIC DISTILLATE (64742-55-8)

Inhalation LC50 Rat: 2.18 mg/L/4H; Oral LD50 Rat: >5000 mg/kg; Dermal LD50 Rabbit: >2000 mg/kg

##### CYCLOHEXANONE (108-94-1)

Inhalation LC50 Rat: 10.7 mg/L/4H; Inhalation LC50 Rat: 8000 ppm/4H; Oral LD50 Rat: 800 mg/kg; Dermal LD50 Rabbit: 948 mg/kg

##### ETHYLENE GLYCOL MONOPROPYL ETHER (2807-30-9)

Oral LD50 Rat: 3089 mg/kg; Dermal LD50 Rabbit: 960 µL/kg

##### METHYL AMYL ALCOHOL (108-11-2)

Inhalation LC50 Rat: >16 mg/L/4H; Inhalation LC50 Rat: >3776 ppm/4H; Oral LD50 Rat: 2590 mg/kg; Dermal LD50 Rabbit: 2870 mg/kg

## Carcinogenicity

#### A: General Product Information

No carcinogenicity data available for this product.

#### B: Component Carcinogenicity

##### CYCLOHEXANONE (108-94-1)

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

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

## \*\*\* 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.



# Material Safety Data Sheet

Compression Performance Restoration (CPR)

MSDS ID: 109

## \*\*\* Section 14 - Transportation Information \*\*\*

### US DOT Information

**1091, 109WOR, 10932, 1091 – Shipping Name:** Consumer Commodity, ORM-D

**1092, 1095, 10930, 10953 –**

**Shipping Name:** Flammable Liquid, n.o.s. (contains Hydrotreated Light Paraffinic Distillate, Cyclohexanone)

**UN/NA #: 1993 Hazard Class: 3 Packing Group: III**

**Required Label(s):** Flammable

### IMDG Information

**1091, 109WOR, 10932, 1091 –**

**Shipping Name:** Flammable Liquid, n.o.s. (contains Hydrotreated Light Paraffinic Distillate, Cyclohexanone)

**UN #: 1993 Hazard Class: 3 Packing Group: III Flash Point: 43°C**

**Required Label(s):** Limited Quantity

**1092, 1095, 10930, 10953 –**

**Shipping Name:** Flammable Liquid, n.o.s. (contains Hydrotreated Light Paraffinic Distillate, Cyclohexanone)

**UN #: 1993 Hazard Class: 3 Packing Group: III Flash Point: 43°C**

**Required Label(s):** Flammable

### IATA Information

**1091, 109WOR, 10932, 1091, 1092 –**

**Shipping Name:** Flammable Liquid, n.o.s. (contains Hydrotreated Light Paraffinic Distillate, Cyclohexanone)

**UN #: 1993 Hazard Class: 3 Packing Group: III Flash Point: 43°C**

**Required Label(s):** Limited Quantity

**1095, 10930 –**

**Shipping Name:** Flammable Liquid, n.o.s. (contains Hydrotreated Light Paraffinic Distillate, Cyclohexanone)

**UN #: 1993 Hazard Class: 3 Packing Group: III Flash Point: 43°C**

**Required Label(s):** Flammable

**10953 – CARGO AIRCRAFT ONLY**

**Shipping Name:** Flammable Liquid, n.o.s. (Contains Hydrotreated Light Paraffinic Distillate, Cyclohexanone)

**UN #: 1993 Hazard Class: 3 Packing Group: III Flash Point: 43°C**

**Required Label(s):** Flammable, Cargo Aircraft Only

## \*\*\* 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).



# Material Safety Data Sheet

Compression Performance Restoration (CPR)

MSDS ID: 109

## CYCLOHEXANONE (108-94-1)

CERCLA: 5000 lb final RQ; 2270 kg final RQ

### B: Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
HYDROTREATED LIGHT PARAFINIC DISTILLATE	64742-55-8	Yes	DSL	EINECS
CYCLOHEXANONE	108-94-1	Yes	DSL	EINECS
ETHYLENE GLYCOL MONOPROPYL ETHER	2807-30-9	Yes	DSL	EINECS
METHYL AMYL ALCOHOL	108-11-2	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
HYDROTREATED LIGHT PARAFFINIC DISTILLATE	64742-55-8	No	Yes	No	No	No	No
CYCLOHEXANONE	108-94-1	Yes	Yes	Yes	Yes	Yes	Yes
METHYL AMYL ALCOHOL	108-11-2	Yes	Yes	Yes	Yes	Yes	No

### Component Analysis - WHMIS IDL

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

Component	CAS #	Minimum Concentration
CYCLOHEXANONE	108-94-1	0.1 %
METHYL AMYL ALCOHOL	108-11-2	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 Information

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End of MSDS 109