



Material Safety Data Sheet

Quick Clean for Engines

MSDS ID: 105

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

Part Number: 105, 105C, 105WOR, 105G, 1052, 1055

Product Use: Engine System 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

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 by inhalation. Avoid prolonged breathing of fumes. Use with adequate ventilation.
- This product may be harmful if it is swallowed.

HMIS Ratings: Health: 1 Fire: 1 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
64742-52-5	PETROLEUM DISTILLATES	60-100
112-80-1	OLEIC ACID	3-7
108-11-2	METHYL AMYL ALCOHOL	3-7
104-76-7	2-ETHYLHEXANOL	0.5-1.5

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 personnel.

Inhalation

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



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

General Fire Hazards

See Section 9 for Flammability Properties.
This product is combustible at high temperatures.

Hazardous Combustion Products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Decomposition of this product may emit oxides of nitrogen.

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: 1 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.

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

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/m³ TWA
40 ppm STEL; 165 mg/m³ STEL



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NIOSH: Prevent or reduce skin absorption
25 ppm TWA; 100 mg/m³ TWA
40 ppm STEL; 165 mg/m³ STEL
Potential for dermal absorption

B: Canadian Provincial Exposure Limits

METHYL AMYL ALCOHOL (108-11-2)

Alberta: 25 ppm TWA; 104 mg/m³ TWA
40 ppm STEL; 167 mg/m³ 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/m³ TWA
40 ppm STEL; 167 mg/m³ STEL
Skin - potential for cutaneous absorption

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: 104 mg/m³ TWA; 25 ppm TWA
167 mg/m³ STEL; 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.

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



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exposure evaluations.

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

Appearance:	Amber	Odor:	Solvent
Physical State:	Liquid	Flash Point:	60°C (140°F)
Flash Point Method:	PMCC	Boiling Point:	Not Determined
Melting Point:	Not Determined	Pour Point:	Not Determined
Specific Gravity:	0.8913	Bulk Density:	7.443 lbs/gal
Solubility (H2O):	Insoluble	Viscosity @ 40°C:	15.08 cSt
Vapor Pressure:	Not Available	Vapor Density:	Not Available
Auto Ignition:	Not Available	Lower Flammability Limit:	Not Available
Upper Flammability Limit:	Not Available	pH:	Not Available

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

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Keep away from heat, ignition sources and incompatible materials.

Incompatibility

This product may react with strong oxidizing agents.

Hazardous Decomposition

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Decomposition of this product may emit oxides of nitrogen.

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 (64742-52-5)

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

OLEIC ACID (112-80-1)

Oral LD50 Rat: 74 g/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

2-ETHYLHEXANOL (104-76-7)

Oral LD50 Rat: 1516 mg/kg; Dermal LD50 Rat: >3000 mg/kg; Dermal LD50 Rabbit: 1970 mg/kg

Carcinogenicity

A: General Product Information

No information available for the product.



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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

105, 105WOR

Shipping Name: Consumer Commodity, ORM-D

105C, 105G:

Shipping Name: Flammable Liquid, n.o.s. (contains Petroleum Distillates and Methyl Amyl Alcohol)

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

Required Label(s): Limited Quantity

1052, 10555:

Shipping Name: Flammable Liquid, n.o.s. (contains Petroleum Distillates and Methyl Amyl Alcohol)

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

Required Label(s): Flammable Liquid

IMDG Information

105, 105WOR, 105C, 105G:

Shipping Name: Flammable Liquid, n.o.s. (contains Petroleum Distillates and Methyl Amyl Alcohol)

UN #: 1993 **Hazard Class:** 3 **Packing Group:** III **Flash Point:** 60°C

Required Label(s): Limited Quantity

1052, 10555: Flammable Liquid, n.o.s. (contains Petroleum Distillates and Methyl Amyl Alcohol)

UN #: 1993 **Hazard Class:** 3 **Packing Group:** III **Flash Point:** 60°C

Required Label(s): Flammable Liquid

IATA Information

105, 105WOR, 105C, 105G, 1052:

Shipping Name: Flammable Liquid, n.o.s. (contains Petroleum Distillates and Methyl Amyl Alcohol)

UN #: 1993 **Hazard Class:** 3 **Packing Group:** III **Flash Point:** 60°C

Required Label(s): Flammable Liquid

10555 – CARGO AIRCRAFT ONLY:

Shipping Name: Flammable Liquid, n.o.s. (contains Petroleum Distillates and Methyl Amyl Alcohol)

UN #: 1993 **Hazard Class:** 3 **Packing Group:** III **Flash Point:** 60°C

Required Label(s): Flammable Liquid, 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



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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

Component	CAS #	TSCA	CAN	EEC
PETROLEUM DISTILLATES	64742-52-5	Yes	DSL	EINECS
OLEIC ACID	112-80-1	Yes	DSL	EINECS
METHYL AMYL ALCOHOL	108-11-2	Yes	DSL	EINECS
2-ETHYLHEXANOL	104-76-7	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
OLEIC ACID	112-80-1	No	No	No	No	Yes	Yes
METHYL AMYL ALCOHOL	108-11-2	Yes	Yes	Yes	Yes	Yes	No
2-ETHYLHEXANOL	104-76-7	No	Yes	No	No	Yes	No

Component Analysis - WHMIS IDL

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

Component	CAS #	Minimum Concentration
OLEIC ACID	112-80-1	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.

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End of MSDS 105