

Safety Data Sheet

Combustion Chamber Cleaner

SECTION 1. IDENTIFICATION

Product Identifier Combustion Chamber Cleaner
Part number 993026
Product Family Mixture
Recommended Use Cleaner.
Restrictions on Use Not applicable.
Supplier Identifier General Motors of Canada Company/Compagnie General Motors du Canada
1908 Colonel Sam Drive
Oshawa, ON L1H 8P7
1.800.223.3526
Emergency Phone No. Immediately contact your local poison control centre.
CANUTEC, +1.613.996.6666, for transportation emergencies.

SECTION 2. HAZARD IDENTIFICATION

Classification

Flammable aerosol - Category 2; Gas under pressure - Compressed gas; Skin irritation - Category 2; Eye irritation - Category 2A; Specific target organ toxicity (single exposure) - Category 3; Aspiration hazard - Category 1

Label Elements



Danger

Flammable aerosol.
Contains gas under pressure; may explode if heated.
Pressurized container: may burst if heated.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.

Keep away from heat, sparks, open flames, and hot surfaces. – No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Avoid breathing vapours, spray.
Wash hands and skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.

Product Identifier: Combustion Chamber Cleaner - Ver. 2
Date of Preparation: February 03, 2016
Date of Last Revision: April 22, 2019

SDS No.: 993026

Page 01 of 08

Wear eye protection/face protection.
Wear protective gloves.

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

Do NOT induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention.

Call a POISON CENTRE or doctor if you feel unwell.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Light aromatic solvent naphtha	64742-95-6	10 - 30		
1,2,4-Trimethylbenzene	95-63-6	10 - 30		
Liquified petroleum gas	68476-85-7	7 - 13		
2-Butoxyethanol	111-76-2	5 - 10		
Methyl isobutyl carbinol	108-11-2	5 - 10		
1,3,5-Trimethylbenzene	108-67-8	1 - 5		
Xylene (mixed isomers)	1330-20-7	1 - 5		
Diethylbenzene (mixed isomers)	25340-17-4	1 - 5		
Cumene	98-82-8	1 - 5		
Ammonium hydroxide	1336-21-6	0.1 - 1.0		

Notes

Any concentration shown as a range is due to batch processing.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell or are concerned.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.

Product Identifier: Combustion Chamber Cleaner - Ver. 2
Date of Preparation: February 03, 2016
Date of Last Revision: April 22, 2019

SDS No.: 993026

Page 02 of 08

Ingestion

Do not induce vomiting. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Drink two glasses of water. Immediately call a Poison Centre or doctor.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

Not applicable.

Immediate Medical Attention and Special Treatment

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam.

Unsuitable Extinguishing Media

Not applicable.

Specific Hazards Arising from the Product

Flammable aerosol. Vapours are heavier than air, sprayed product will project a flame on contact with an ignition source.

Carbon oxides, and other unidentified organic compounds.

Special Protective Equipment and Precautions for Fire-fighters

Use extreme caution.

Fight fire from a safe distance or a protected location.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Only use where there is adequate ventilation. Avoid generating vapours or mists. Avoid breathing in this product. Wash hands thoroughly after handling this material. Containers of this material may contain hazardous residues when "emptied".

Conditions for Safe Storage

Store in an area that is: cool, dry, well-ventilated.

Store at temperatures not exceeding: 40°C.

Product Identifier: Combustion Chamber Cleaner - Ver. 2
Date of Preparation: February 03, 2016
Date of Last Revision: April 22, 2019

SDS No.: 993026

Page 03 of 08

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL [C]	TWA	Ceiling
1,2,4-Trimethylbenzene	25 ppm	Not established	Not established	Not established
2-Butoxyethanol	20 ppm A3	Not established	240 mg/m3	Not established
Methyl isobutyl carbinol	25 ppm Skin	40 ppm	25 ppm	Not established
1,3,5-Trimethylbenzene	25 ppm	Not established	Not established	Not established
Xylene (mixed isomers)	100 ppm A4	150 ppm A4	435 mg/m3	Not established
Cumene	50 ppm	Not established	50 ppm	Not established
Ammonium hydroxide	25 ppm	35 ppm	Not established	Not established

Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Individual Protection Measures

Eye/Face Protection

Safety glasses with side shields.
Contact lenses should not be worn.

Skin Protection

Gloves made of: nitrile, neoprene.

Respiratory Protection

Not normally required if product is used as directed. If the TLV is exceeded, a NIOSH -approved respirator is advised.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear amber Aerosol.
Odour	Ammonia-like
Odour Threshold	Not available
pH	9.0 - 10.5 (5% solution)
Melting Point/Freezing Point	Not available (melting)
Initial Boiling Point/Range	Not available
Flash Point	44 °C (closed cup)
Evaporation Rate	Not available
Flammability (solid, gas)	Extremely flammable aerosol
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	> 1
Relative Density (water = 1)	0.890 - 0.922 at 15 °C
Solubility	Practically insoluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	< 14 centistokes at 40°C (kinematic)

Product Identifier: Combustion Chamber Cleaner - Ver. 2
Date of Preparation: February 03, 2016
Date of Last Revision: April 22, 2019

SDS No.: 993026

Page 04 of 08

Other Information

VOC %	67
Flame projection	< 100 cm no flashback
NFPA Classification	Aerosol, Level 3

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not applicable.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources.

Incompatible Materials

Increased risk of fire and explosion on contact with: strong oxidizing agents (e.g. perchloric acid).

Hazardous Decomposition Products

Carbon oxides. And other unidentified organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Inhalation.

Skin contact.

Eye contact.

Ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Light aromatic solvent naphtha	> 14.4 mg/L (rat) (6-hour)	8400 mg/kg (rat)	> 3160 mg/kg (rabbit)
1,2,4-Trimethylbenzene	18000 mg/m3 (rat) (4-hour exposure)	5000 mg/kg (rat)	Not available
2-Butoxyethanol	450 ppm (female rat) (4-hour exposure)	530 mg/kg (female rat)	400-500 mg/kg (rabbit)
1,3,5-Trimethylbenzene	24000 mg/m3 (rat) (4-hour exposure)	Not available	Not available
Xylene (mixed isomers)	6350 ppm (male rat) (4-hour exposure)	3523 mg/kg (rat)	> 1700 mg/kg (rabbit)
Diethylbenzene (mixed isomers)	> 30000 mg/m3 (mouse)	1200 mg/kg (rat)	> 5000 mg/kg (rabbit)
Cumene	39 mg/L (rat) (4-hour exposure)	1400 mg/kg (rat)	10627 mg/kg (rabbit)
Ammonium hydroxide	3670 ppm (rat) (4-hour exposure)	350 mg/kg (rat)	Not available

24% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (inhalation)

23% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (oral)

45% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (dermal)

Product Identifier: Combustion Chamber Cleaner - Ver. 2
Date of Preparation: February 03, 2016
Date of Last Revision: April 22, 2019

SDS No.: 993026

Page 05 of 08

Skin Corrosion/Irritation

Moderate skin irritant.

Serious Eye Damage/Irritation

Mild to moderate irritant.

STOT (Specific Target Organ Toxicity) - Single Exposure**Inhalation**

May cause nose and throat irritation.

Skin Absorption

No information was located.

Ingestion

No information was located.

Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

Not a respiratory sensitizer.

Not a skin sensitizer.

Carcinogenicity

Chemical Name	ACGIH®	IARC	NTP	OSHA
Light aromatic solvent naphtha	Not Listed	Not evaluated	Not Listed	Not Listed
Liquified petroleum gas	Not Listed	Not Listed	Not Listed	Not Listed
2-Butoxyethanol	A3	Group 3	Not Listed	Not Listed
Xylene (mixed isomers)	A4	Group 3	Not Listed	Not Listed
Cumene	Not designated	Group 2B	Not Listed	Not Listed

Contains. (Cumene) which has been classified as a Group 2B carcinogen (possibly carcinogenic to humans).

Key to Abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists. A3 = Animal carcinogen. A4 = Not classifiable as a human carcinogen.

IARC = International Agency for Research on Cancer. Group 2B = Possibly carcinogenic to humans. Group 3 = Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity**Development of Offspring**

Contains. (Xylene (mixed isomers)) which is reported to be fetotoxic.

No information was located for: Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

This section is not required by OSHA HCS 2012.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal Methods**

Dispose of or recycle empty containers through an approved waste management facility. Empty containers retain product residue. Follow label warnings even if container appears to be empty.

Product Identifier: Combustion Chamber Cleaner - Ver. 2
Date of Preparation: February 03, 2016
Date of Last Revision: April 22, 2019

SDS No.: 993026

Page 06 of 08

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	UN1950	Aerosols	2.1	---
IATA (Air)	UN1950	Aerosols, flammable	2.1	---
IMDG (Marine)	UN1950	Aerosols	2.1	---

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Emergency Response Guide No. 126 EmS F-D, S-U

Other Information ICAO/IATA PI Y203/203
Product may ship as LTD QTY if TDG, ICAO/IATA or IMDG Limited Quantity provisions are met.

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

CEPA - National Pollutant Release Inventory (NPRI)

(Light aromatic solvent naphtha) Part 5.

(1,2,4-Trimethylbenzene) Part 5.

(2-Butoxyethanol) Part 1A.

(Xylene (mixed isomers)) Part 5.

(Cumene) Part 1A.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

Additional USA Regulatory Lists

California Proposition 65: Not applicable.

CERCLA. (Xylene (mixed isomers)). (Cumene). (Ammonium hydroxide)

SARA Title III - Section 302: Not applicable.

SARA Title III - Section 313. (1,2,4-Trimethylbenzene). (Xylene (mixed isomers)). (Cumene)

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 2** **Flammability - 3** **Instability - 0**

Based on Light aromatic solvent naphtha

SDS Prepared By Regulatory Compliance

Phone No. 905.847.0222

Date of Preparation February 03, 2016

Date of Last Revision April 22, 2019

Revision Indicators The following SDS content was changed on April 22, 2019:
SECTION 1. IDENTIFICATION; Emergency Phone No.
SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS; Ingredient Information;
Notes.

Key to Abbreviations ACGIH® = American Conference of Governmental Hygienists

Product Identifier: Combustion Chamber Cleaner - Ver. 2

SDS No.: 993026

Date of Preparation: February 03, 2016

Date of Last Revision: April 22, 2019

Page 07 of 08

CANUTEC = Canadian Transport Emergency Centre
CAS = Chemical Abstract Service
CCOHS = Canadian Centre for Occupational Health & Safety
CNS = Central nervous system
GESTIS = GESTIS Substance Database
HSDB® = Hazardous Substances Data Bank
IARC = International Agency for Research on Cancer
ICAO = International Civil Aviation Organization
IMDG = International Maritime Dangerous Goods Code
LC = Lethal concentration
LC = Lethal dose
NFPA = National Fire Protection Association
NTP = National Toxicology Program
OSHA = US Occupational Safety and Health Administration
PPM = Parts per million
RTECS® = Registry of Toxic Effects of Chemical Substances
STEL = Short term exposure limit
TDG = Transportation of Dangerous Goods Regulations (Canada)
TWA = Time weighted average

References

Material Safety Data Sheet from manufacturer.
CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).
Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

Disclaimer

The information contained herein is offered only as a guide to the use and handling of this specific material and has been prepared in good faith. It is not intended to be all-inclusive, and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied. Shrader Canada Limited will not be liable for any damages, losses, injuries or consequential damages which may result from the use of or reliance on any information contained herein.

Product Identifier: Combustion Chamber Cleaner - Ver. 2
Date of Preparation: February 03, 2016
Date of Last Revision: April 22, 2019

SDS No.: 993026

Page 08 of 08