



# C.A.T. Products, Inc.

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## Safety Data Sheet

### Combustion Chamber Cleaner

#### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Combustion Chamber Cleaner
<b>Part number</b>	1297
<b>Product Family</b>	Mixture
<b>Recommended Use</b>	Cleaner.
<b>Restrictions on Use</b>	Not applicable.
<b>Manufacturer</b>	Shrader Canada Limited, 830 Progress Court, Oakville, ON, L6L 6K1, +1.905.847.0222, www.shradercanada.com
<b>Emergency Phone No.</b>	CANUTEC, +1.613.996.6666, Operation hours: 24/7

#### SECTION 2. HAZARDS IDENTIFICATION

##### GHS Classification

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

##### GHS 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 serious eye irritation.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.

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.  
Wear eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTRE/doctor.

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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.  
Call a POISON CENTRE/doctor if you feel unwell.  
Do NOT induce vomiting.  
If eye irritation persists: Get medical advice/attention.

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/container in accordance with local, regional, national and international regulations.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
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	
Oleic acid	112-80-1	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	
Hydrotreated, heavy naphthenic distillate	64742-52-5	1 - 5	
Hydrotreated light naphthenic distillate	64742-53-6	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

Concentrations are expressed in % volume/volume.

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Move to fresh air. Get medical advice/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/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/attention.

##### Ingestion

Do not induce vomiting. Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or

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convulsing. Do not induce vomiting. Drink two glasses of water. Immediately call a Poison Centre or doctor.

#### **First-aid Comments**

Get medical advice/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 Chemical**

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.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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## 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
Calcium hydroxide	5 mg/m3	Not established	15 mg/m3 *	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

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

### Other Information

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**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

### 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/m <sup>3</sup> (rat) (4-hour exposure)	5000 mg/kg (rat)	Not available
Oleic acid	Not available	> 19200 mg/kg (male 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/kg (rat) (4-hour exposure)	Not available	Not available
Hydrotreated, heavy naphthenic distillate	2180 mg/m <sup>3</sup> (rat) (4-hour exposure)	> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Hydrotreated light naphthenic distillate	2180 mg/m <sup>3</sup> (rat)	> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Xylene (mixed isomers)	6350 ppm (male rat) (4-hour exposure)	3523 mg/kg (rat)	> 1700 mg/kg (rabbit)
Diethylbenzene (mixed isomers)	> 30000 mg/m <sup>3</sup> (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

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Calcium sulfonate based corrosion inhibitor	Not available	Not available	Not available
Calcium hydroxide	Not applicable	7340 mg/kg (rat)	Not available

**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

IARC: Group 3 – Not classifiable as to its carcinogenicity to humans. Has been associated with. (Cumene)

**Reproductive Toxicity**

**Development of Offspring**

Animal studies show effects on the offspring. Known to cause: decreased weight. (Cumene)

**Sexual Function and Fertility**

Conclusions cannot be drawn from the limited studies available.

**Effects on or via Lactation**

No information was located.

**Germ Cell Mutagenicity**

Not known to be a mutagen.

No information was located for: Development of Offspring, 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.

## 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.

## 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	---
IMO (Marine)	UN1950	Aerosols	2.1	---

**Special Precautions for User** 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

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**Key to Abbreviations** ACGIH® = American Conference of Governmental Industrial Hygienists  
CANUTEC = Canadian Transportation Emergency Centre  
CAS = Chemical Abstract Services  
CCOHS = Canadian Centre for Occupational Health & Safety  
CNS = Central nervous system  
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  
LD = Lethal dose  
NFPA = National Fire Prevention 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** 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. Accelrys, Inc. Available from Canadian Centre for Occupational Health and Safety (CCOHS).

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