

## Cartel C-4 Motorcycle Fuel Enhancer

SDS Number: 60549

Revision Date: 2/27/2015

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### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Cartel C-4 Motorcycle Fuel Enhancer  
**Revision Date:** 2/27/2015  
**SDS Number:** 60549  
**CAS Number:** Blend  
**Product Code:** 60549  
**Synonyms:** Octane Booster Additive

#### Company Identification

Manufactured for:  
Cartel Products  
P.O. Box 151  
Woodstock, IL 60098

1-815-334-0250 (For product information)  
1-800-424-9300 (For emergencies)  
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

### 2 HAZARDS IDENTIFICATION

GHS Signal Word:  
DANGER

GHS Hazard Pictograms:



GHS Classifications:

Physical, Flammable Liquids, 4  
Health, Skin corrosion/irritation, 2  
Health, Serious Eye Damage/Eye Irritation, 2 A  
Health, Acute toxicity, 3 Oral  
Health, Specific target organ toxicity - Single exposure, 1  
Health, Carcinogenicity, 2  
Health, Aspiration hazard, 1  
Environmental, Hazards to the aquatic environment - Chronic, 1

GHS Phrases:

H227 - Combustible liquid  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H301 - Toxic if swallowed  
H370 - Causes damage to organs  
H351 - Suspected of causing cancer  
H304 - May be fatal if swallowed and enters airways  
H410 - Very toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

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P273 - Avoid release to the environment.  
P302+352 - IF ON SKIN: Wash with soap and water.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients:

Chemical Name	Percentage	CAS#
Hydrotreated light petroleum	70.0 - 90.0	64742-47-8
Methylcyclopentadienyl manganese tricarbonyl	< 1.0	12108-13-3
1,2,4-Trimethylbenzene	< 2.0	95-63-6
Light aromatic solvent naphtha	< 5.0	64742-95-6
Alkylphenol polyoxyalkyl alkylamine	< 5.0	Proprietary
Cumene	< 0.5	98-82-8
1,3,5-Trimethylbenzene	< 2.0	108-67-8
Xylene	< 0.5	1330-20-7
N-Propylbenzene	< 2.0	103-65-1
Substituted phenol	< 0.1	Proprietary
Heavy aromatic solvent naphtha	< 0.3	64742-94-5
1,2,3-Trimethylbenzene	< 0.3	526-73-8

### 4 FIRST AID MEASURES

**Inhalation:** If symptoms develop, move victim to fresh air.  
If symptoms persist, obtain medical attention.

**Skin Contact:** Wash with soap and water.  
Remove contaminated clothing and wash before reuse.  
Get medical attention if needed.

**Eye Contact:** Flush with water for several minutes.  
If effects occur, consult a physician.

**Ingestion:** Rinse mouth with water and drink 2-4 cups of water.  
Get immediate medical attention.

Note to Physician:  
Activated charcoal may be administered.

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### 5 FIRE FIGHTING MEASURES

**Flash Point:** 61.1 C (142.0 F)  
**Flash Point Method:** TCC

Use dry powder, foam, or carbon dioxide fire extinguishers.  
Water may be ineffective unless used by experienced fire fighters.

### 6 ACCIDENTAL RELEASE MEASURES

Eliminate sources of ignition - Heat, sparks, flame, and electricity  
Contain spilled material.  
Collect in suitable and properly labeled containers.  
Pick up excess with inert absorbant material  
Keep away from drains and ground water.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Avoid contact with eyes, skin, or clothing.  
Keep away from sources of ignition.  
Do not pressurize, cut, weld, braze, solder, drill, or grind containers.  
Handle with care and avoid spillage on the floor ( slippage).  
Ground and bond containers when transferring material

**Storage Requirements:** Keep away from sources of ignition.  
Store in a tightly closed container

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

**Personal Protective Equip:** Use of safety glasses and gloves are recommended.

**EXPOSURE GUIDELINES:**  
**METHYLCYCLOPENTADIENYL-MANGANESE TRICARBONYL**  
ACGIH TWA: 0.2 mg/m<sup>3</sup>

**1,2,4-TRIMETHYLBENZENE**  
ACGIH TWA: 25 ppm

**SOLVENT NAPHTHA, PETROLEUM, LIGHT AROM.**  
OSHA TWA: 500 ppm

**CUMENE**  
OSHA PEL: 50 ppm  
OSHA TWA: 50 ppm, 245 mg/m<sup>3</sup>  
ACGIH TWA: 50 ppm, 246 mg/m<sup>3</sup>

**1,3,5-TRIMETHYLBENZENE**  
ACGIH TWA: 25 ppm

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### XYLENE

OSHA TWA: 100 ppm, 435 mg/m<sup>3</sup>

ACGIH TWA: 100 ppm, 434 mg/m<sup>3</sup>

OSHA STEL: 150 ppm, 655 mg/m<sup>3</sup>

ACGIH STEL: 150 ppm, 651 mg/m<sup>3</sup>

### 1,2,3-TRIMETHYLBENZENE

ACGIH TWA: 25 ppm

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## PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Amber

**Physical State:** Liquid

**Solubility:** Nil in water

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## STABILITY AND REACTIVITY

**Stability:**

MMT is extremely photosensitive and decomposes rapidly when exposed to light. Photolytic action converts the organic compound to a mixture of non-hazardous manganese oxides, carbonates, and organics derived from methylcyclopentadiene. These decomposition products are less toxic than the neat MMT.

**Conditions to Avoid:**

High temperatures above 50 C (122 F) and open flame.

**Materials to Avoid:**

Avoid strong oxidizing agents.

May burn or react violently to flourine/oxygen mixtures.

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## TOXICOLOGICAL INFORMATION

Repeated skin contact with this product may cause dermatitis or an oil acne.

No test data available on product.

No component is listed as a carcinogen, mutagen, or teratogen.

LD50 / LC50 - No data available

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## ECOLOGICAL INFORMATION

Avoid exposing to the environment.

Toxic to aquatic organisms.

May cause long term adverse effects in the aquatic environment. Based on calculations.

This product contains components which may be persistent in the environment.

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## DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

Do not flush to surface water or drains

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### TRANSPORT INFORMATION

UN #: NA 1993, Class: -, Proper Shipping Name: Combustible liquid, n.o.s.

#### MISCELLANEOUS:

This material is not regulated for US DOT transportation in quantities less than 119 Gallons.

If shipping overseas, or via air, the proper shipping name is: Flammable liquid, n.o.s., (Contains Petroleum Naphtha, 1,2,4-Trimethylbenzene), 3, UN1993, PGIII.

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### REGULATORY INFORMATION

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act (TSCA).

#### REGULATORY DISCLOSURES:

##### New Jersey Right to Know list:

1,2,4-Trimethylbenzene, CAS #95-63-6, < 2.0 %.  
1,3,5-Trimethylbenzene, CAS # 108-67-8, < 2.0 %.  
Cumene, CAS # 98-82-8, < 0.5 %.  
Xylene, CAS # 1330-20-7, < 0.5 %.

##### Pennsylvania Right to Know List:

1,2,4-Trimethylbenzene, CAS #95-63-6, < 2.0 %.  
Cumene, CAS # 98-82-8, < 0.5 %.  
Xylene, CAS # 1330-20-7, < 0.5 %.

##### Canadian Disclosure List

1,2,4-TRIMETHYLBENZENE (95-63-6)  
1,3,5-TRIMETHYLBENZENE (108-67-8)

##### SARA Title III - Section 313

1,2,4-TRIMETHYLBENZENE (95-63-6)

##### CERCLA Hazardous Substances

CUMENE (98-82-8) -- RQ 5000 lb  
XYLENE (1330-20-7) -- RQ 1000 lb

##### RCRA Hazardous Substances

CUMENE (98-82-8) -- RCRA Code: U055  
XYLENE (1330-20-7) -- RCRA Code: U239

##### Title V

1,2,4-TRIMETHYLBENZENE (95-63-6)  
CUMENE (98-82-8)  
XYLENE (1330-20-7)

##### SC Toxic Air Pollutants List

CUMENE (98-82-8)  
XYLENE (1330-20-7)

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### OTHER INFORMATION

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