



SAFETY DATA SHEET

COMMA - CARB CLEAN AEROSOL

Page: 1

Compilation date: 25-01-2012

Revision No: 13

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: COMMA - CARB CLEAN AEROSOL

Product code: CAC500M

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Automotive cleaner.

1.3. Details of the supplier of the safety data sheet

Company name: Comma Oil & Chemicals Ltd.

Dering Way

Gravesend

Kent

DA12 2QX

Tel: +44 01474 564311

Fax: +44 01474 333000

Email: sales@commaoil.com

1.4. Emergency telephone number

Emergency tel: +44 01474 564311

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: F+: R12; Xi: R36/38; N: R51/53; -: R67

Most important adverse effects: Extremely flammable. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

2.2. Label elements

Label elements under CHIP:

Hazard symbols: Extremely flammable.

Irritant.

Dangerous for the environment.



Risk phrases: R12: Extremely flammable.

R36/38: Irritating to eyes and skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S2: Keep out of the reach of children.

S23: Do not breathe spray.

[cont...]

SAFETY DATA SHEET

COMMA - CARB CLEAN AEROSOL

Page: 2

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S29: Do not empty into drains.

S46: If swallowed, seek medical advice immediately and show this container or label.

S51: Use only in well-ventilated areas.

Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

NAPHTHA (PETROLEUM), HYDROTREATED LIGHT (<0.1% BENZOL CAS NR. 71-43-2)

EINECS	CAS	CHIP Classification	CLP Classification	Percent
265-151-9	64742-49-0	F: R11; Xi: R38; N: R51/53; Xn: R65; -: R67	-	30-60%

PROPAN-2-OL

200-661-7	67-63-0	F: R11; Xi: R36; -: R67	-	10-30%
-----------	---------	-------------------------	---	--------

DIMETHOXYMETHANE

203-714-2	109-87-5	F: R11 Substance with a Community workplace exposure limit.	-	10-30%
-----------	----------	--	---	--------

PROPANE

200-827-9	74-98-6	F+: R12 Substance with a Community workplace exposure limit.	-	10-30%
-----------	---------	---	---	--------

BUTANE

203-448-7	106-97-8	F+: R12 Substance with a Community workplace exposure limit.	-	5-10%
-----------	----------	---	---	-------

ISOBUTANE

200-857-2	75-28-5	F+: R12 Substance with a Community workplace exposure limit.	-	5-10%
-----------	---------	---	---	-------

4-HYDROXY-4-METHYLPENTAN-2-ONE

204-626-7	123-42-2	Xi: R36	-	5-10%
-----------	----------	---------	---	-------

[cont...]

SAFETY DATA SHEET

COMMA - CARB CLEAN AEROSOL

Page: 3

METHANOL

200-659-6	67-56-1	F: R11; T: R23/24/25; T: R39/23/24/25	-	<1%
-----------	---------	---------------------------------------	---	-----

Contains: Hazardous ingredients present at or above regulatory disclosure limits.

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Extremely flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

[cont...]

SAFETY DATA SHEET

COMMA - CARB CLEAN AEROSOL

Page: 4

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Smoking is forbidden.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Ensure lighting and electrical equipment are not a source of ignition.

7.3. Specific end use(s)

Specific end use(s): No special requirement.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

PROPAN-2-OL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	999 mg/m ³	1250 mg/m ³	-	-

DIMETHOXYMETHANE

UK	1000 ppm	1250 ppm	-	-
----	----------	----------	---	---

PROPANE

UK	1800 mg/m ³	7200 mg/m ³	-	-
----	------------------------	------------------------	---	---

BUTANE

UK	1450 mg/m ³	1810 mg/m ³	-	-
----	------------------------	------------------------	---	---

ISOBUTANE

UK	2400 mg/m ³	9600 mg/m ³	-	-
----	------------------------	------------------------	---	---

4-HYDROXY-4-METHYLPENTAN-2-ONE

UK	241 mg/m ³	362 mg/m ³	-	-
----	-----------------------	-----------------------	---	---

METHANOL

UK	266 mg/m ³	333 mg/m ³	-	-
----	-----------------------	-----------------------	---	---

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

[cont...]

SAFETY DATA SHEET

COMMA - CARB CLEAN AEROSOL

Page: 5

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Colour: Colourless

Odour: Characteristic odour

Solubility in water: Insoluble

Flash point°C: <0

Vapour pressure: 420 kPa @ 20 C

Relative density: 0.700 @ 20 C

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

[cont...]

SAFETY DATA SHEET

COMMA - CARB CLEAN AEROSOL

Page: 6

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1950

14.2. UN proper shipping name

Shipping name: AEROSOLS

14.3. Transport hazard class(es)

Transport class: 2

14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Transport category: 2

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

[cont...]

SAFETY DATA SHEET

COMMA - CARB CLEAN AEROSOL

Page: 7

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Phrases used in s.2 and 3: R11: Highly flammable.

R12: Extremely flammable.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R36/38: Irritating to eyes and skin.

R36: Irritating to eyes.

R38: Irritating to skin.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R67: Vapours may cause drowsiness and dizziness.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.