

Material Safety Data Sheet

CARBU CLEAN

8176

Version nr : 1.05

Revised : 01/08/2007

Supersedes : 22/05/2006



Xn - Harmful



F+ - Extremely flammable

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Information

Commercial Product Name **CARBU CLEAN**
Product code **8176**
Use of the Substance/Preparation Very powerful cleaning agent for carburetor

Manufacturer, importer, supplier

Supplier MOTUL - Regulation Departement
Zone Industrielle - Chemin du Corps de Garde
77360 VAIRES SUR MARNE - FRANCE
Telephone 33.1.64.72.86.23
Telefax 33.1.64.72.86.28
EMERGENCY TELEPHONE NUMBER ORFILA : 33.1.45.42.59.59
Responsible Department Health and Safety Department

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Aerosol
propellant Butane

<u>Hazardous components</u>	<u>Weight %</u>	<u>CAS-No.</u>	<u>EINECS-No.</u>
Dimethoxymethane F,R11	10 - 25 %	109-87-5	203-71-42
butanone F,Xi,R11,R36,R66,R67	10 - 25 %	78-93-3	201-159-0
Naphtha (petroleum), hydrotreated light Xn,N,R11,R65,R67,R38,R51/53,F	2,5 - 10 %	64742-49-0	265-15-19
butan F+,R12	10 - 25 %	106-97-8	203-448-7
toluene F,Xn,R11,R48/20,R38,R65,R67,Xi	10 - 25 %	108-88-3	203-625-9
propane F+,R12	10 - 25 %	74-98-6	200-827-9

3. HAZARDS IDENTIFICATION

EC Label

Extremely flammable.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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Specific hazards

- physico-chemical properties
- properties affecting health
- environmental properties

Possible risk of harm to the unborn child.
Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin.
Toxic for reproduction cat 3
Vapours may cause drowsiness and dizziness.
none under normal use
Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.

This product contains a flammable component.
None known
Ecological injuries are not known or expected under normal use.

4. FIRST AID MEASURES

General advice

- Inhalation
- Eye contact
- Skin contact
- Ingestion

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Move to fresh air.
If symptoms persist, call a physician.
Rinse immediately with plenty of water, also under the eyelids.
Consult a physician if necessary
Take off all contaminated clothing immediately.
Wash off immediately with soap and plenty of water.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Do NOT give the affected person anything to drink, even if he is fully conscious.
Do not induce vomiting without medical advice.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media
- Extinguishing media which must not be used for safety reasons
- Specific hazards
- Specific methods
- Under fire conditions:

dry powder
foam
carbon dioxide (CO₂)
high volume water jet

Incomplete combustion produces toxic gases, such as CO, CO₂, various forms of hydrocarbons, aldehydes etc., and soots.
Vapours may form explosive mixtures with air.
Aerosol Protection Level (NFPA 30B) : Level 3
Water mist may be used to cool closed containers.
In the event of fire, wear self-contained breathing apparatus.
Dispose of promptly.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Environmental precautions

Depending on the risk of exposure, wear gloves, goggles, and protective clothing.
Ensure adequate ventilation.
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Do not let product enter drains.

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Methods for cleaning up

Local authorities should be advised if significant spillages cannot be contained.

For environmental protection remove and wash all contaminated protective equipment before re-use.

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Contaminated surfaces will be extremely slippery.

Clean with detergents. Avoid solvents.

Prevent product from entering drains.

Use personal protective equipment.

Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Handling

- Technical measures/Precautions

Provide sufficient air exchange and/or exhaust in work rooms.

When using do not smoke.

Handle in accordance with good industrial hygiene and safety practice.

- Safe handling advice

Avoid contact with skin and eyes.

To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded.

Do not breathe vapours or spray mist.

The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.

Storage

- Technical measures/Storage conditions

Use only receptacles, joints, pipes, etc, which are resistant to hydrocarbons.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Keep well away from sources of heat. Avoid the accumulation of static electricity . Provide earthing.

Keep away from direct sunlight.

Keep at temperatures between 5 and 40 °C.

Keep away from food, drink and animal feeding stuffs.

Do not let product enter drains.

Keep out of reach of children.

Do not smoke.

Store in original container.

Keep in a bunded area.

- Incompatible products

Incompatible with strong acids and oxidising agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)

TLV

butan

butanone

propane

VLE

-

300 ppm

-

TLV-TWA

800 ppm

200 ppm

2500 ppm

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toluene

150 ppm

50 ppm

Dimethoxymethane

-

1000 ppm



Personal protective equipment

*Respiratory protection**Hand protection (EN 420, EN 374-3)**Eye protection (EN 166)**Skin and body protection (DIN - EN 465)*Breathing apparatus needed only when aerosol or mist is formed.
protective gloves

safety glasses

As required, wear a face mask, fluid-proof protective clothing, and safety boots (when handling drums)

Don't wear ring, watch or similar thing which will be able to hold the product and may give rise to some skin diseases,

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Take off all contaminated clothing immediately.

When using do not eat or drink.

Avoid contact with the skin and the eyes.

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

liquefied gas

Density

< 1

pH

Not applicable

Boiling point/range

<= 35 °C

Flash point

open cup

< 0 °C

Vapour pressure

< 110 kPa (1,10 bar)

Water solubility

insoluble

Decomposition temperature

200 °C

Gas

Butane

Autoinflammability

200 °C

10. STABILITY AND REACTIVITY

Stability

Stable at normal conditions

Conditions to avoid

Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

Materials to avoid

Incompatible with oxidising agents.

Incompatible with acids.

Hazardous decomposition products

Incomplete combustion produces toxic gases, such as CO, CO₂, various forms of hydrocarbons, aldehydes etc., and soots.**MOTUL**

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11. TOXICOLOGICAL INFORMATION

Local effects

The following toxicological data shown are those obtained from tests on products of similar composition in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 1994.

Acute toxicity

Health injuries are not known or expected under normal use.

Ingestion

Prolonged or repeated exposure may cause injuries to liver, kidneys, lungs, nerves and hereditary factors.

LD50/oral/rat =

lung irritation

Eye contact

2500 à 7500 mg/kg

Skin contact

Mild eye irritation

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Inhalation

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Chronic toxicity

Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

12. ECOLOGICAL INFORMATION

Mobility

Air : The product will evaporate into the atmosphere.

Soil : In consideration of its physical and chemical characteristics, the product has only slight mobility in the soil.

Water : Insoluble, the product spreads over the surface of the water. Do not flush into surface water or sanitary sewer system.

Ecotoxicity effects

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Send to an approved Waste Collector

Collect all waste in suitable and labelled containers and dispose of in compliance with licence from HMIP issued under sections 6 & 7 of the Radioactive Substances Act 1960.

Contaminated packaging

Do not flush into surface water or sanitary sewer system.

Where possible recycling is preferred to disposal or incineration.

The user's attention is drawn to the possible existence of local regulations regarding disposal.

NOTE

Send to an approved Waste Collector

In accordance with local and national regulations.

AEROSOL NE PAS PERCER OU BRULER APRES USAGE

14. TRANSPORT INFORMATION

Land transport

UN-No

1950

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Description of the goods

Aerosols, flammable, n.o.s

Class	2
Classification	5 F
ADR/RID-Labels	2,1
Packaging group	--
Limited quantities	LQ2
<u>Sea transport</u>	
UN-No	1950
Class	2
Packaging group	--
Emergency schedule (EmS)	F-D, S-U
Limited quantities	SP277
<u>Air transport</u>	
HI/UN No:	1950
Class	2
Packaging group	--
ICAO-Labels	Flammable gas

15. REGULATORY INFORMATION

<u>Hazardous components</u>	<u>Weight %</u>	<u>CAS-No.</u>	<u>EINECS-No.</u>
toluene	10 - 14,99	108-88-3	203-625-9

EC Label

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Symbol(s):	Xn - Harmful
R-phrases(s)	F+ - Extremely flammable R12 - Extremely flammable. R38 - Irritating to skin. R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R63 - Possible risk of harm to the unborn child. R67 - Vapours may cause drowsiness and dizziness.
S-phrases(s)	S 2 - Keep out of the reach of children. S16 - Keep away from sources of ignition - No smoking. S23 - Do not breathe vapour. S36/37 - Wear suitable protective clothing and gloves. S51 - Use only in well ventilated areas. S29 - Do not empty into drains. S46 - If swallowed, seek medical advice immediately and show this container or label.

Special regulations on certain preparations

tactile warning of danger

-

France

This safety data sheet complies with the recommendations of European Community and French regulations. Contact your local branch for adaptation to specific national requirements.

-

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16. OTHER INFORMATION

16. Other information

This dossier supplements the technical notifications for use, but does not replace them. The information which it contains is based on our knowledge relating to the product in question on the date indicated. The information is given in good faith. The user's attention is also drawn to possible risks incurred if a product is employed for uses other than those for which it was designed. The information dossier does not, under any circumstances, discharge the user from the obligation of being aware of, and of applying, all the texts which govern his sphere of activity. He shall be solely responsible for taking the precautions associated with the use which he makes of the product. All the statutory provisions referred to are intended simply to assist the recipient in fulfilling the obligations incumbent upon him. This enumeration must not be considered to be exhaustive. The recipient must ensure that no obligations are incumbent upon him, as a result of texts other than those cited, relating to the holding and handling of the product, for which he alone is responsible.

Text of R phrases mentioned in Section 2

R11 - Highly flammable.

R12 - Extremely flammable.

R36/38 - Irritating to eyes and skin.

R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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

R63 - Possible risk of harm to the unborn child.

R65 - Harmful: may cause lung damage if swallowed.

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapours may cause drowsiness and dizziness.

This data sheet conforms to standards defined by directives 2001/58/CE
Data sheet prepared by MOTUL.

IMPORTANT: The information in this Data Sheet applies only to the products designated herein and produced or supplied by us. It is based on our experience and on the data available to us at the time of its issue and is accurate to the best of our knowledge.