

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

1.1. Product identifier

Product form : Substance
 Trade name : CHARBON ACTIF SUPRA 4
 EC-No. : 931-334-3
 CAS-No. : 7440-44-0
 REACH registration No : 01-2119488716-22
 Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use

Industrial/Professional use spec : For professional use only
 Use of the substance/ mixture : Activated carbon for the decolourisation of juice and white wine.
 Use of the substance/ mixture : For œnological use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

LAFFORT FRANCE
 P.O. Box CS 61611
 33072 BORDEAUX CEDEX - FRANCE
 T +33 (0)5 56 86 53 04 - F +33 (0)5 56 86 30 50
info@laffort.com - www.laffort.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Australia	NSW Poisons Information Centre	The Children's Hospital at Westmead Locked Bag 4001 NSW 2145 Westmead	13 11 26 +56 2 2 247 3600	
Canada	Ontario Poison Centre (OPC)	The Hospital for Sick Children 555 University Avenue ON M5G 1X8 Toronto	1-800-268-9017 (416) 813-5900	
Canada	BC Drug and Poison Information Centre (DPIC)	655 West 12th Avenue BC V5Z 4R4 Vancouver	1-800-567-8911 (604) 682-5050	
China	National Poison Control Center	Chinese Center for Disease Control and Prevention Nanwei road, No.29 100050 Beijing	+86 10 831 32 046	
Croatia	Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada	Ksaverska Cesta 2 p.p. 291 10000 Zagreb	+385 1 234 8342	

CHARBON ACTIF SUPRA 4

Safety Data Sheet

according to Regulation (EU) 2015/830

Country	Organisation/Company	Address	Emergency number	Comment
Czech Republic	Toxikologické informační středisko Klinika pracovního lékařství VFN a 1. LF UK	Na Bojišti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402	
Georgia	National Toxicology Information Advisory Center	Tbilisi State Medical University Department of Toxicology - 7 Asatiani St. 380 077 Tbilisi	+995 99 533320	
Greece	Poisons Information Centre Children's Hospital P&A Kyriakou	11762 Athens	+30 2 10 779 3777	
Hungary	Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat	Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest	+36 80 20 11 99	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900	
Japan	Japan Poison Information Center	Tsukuba Medical Center 1-1-1 Amakubo 305-0005 Tsukuba City, Ibaraki	+81-29-856-3566 +81-72-727-2499	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
New Zealand	National Poisons Centre	Dunedin School of Medicine, University of Otago PO Box 913 9054 Dunedin	0800 764 766 +56 2 2 247 3600	
Poland	National Poisons Information Centre The Nofer Institute of Occupational Medicine (Łódź)	ul. Teresy 8 P.O. BOX 199 90950 Łódź	+48 42 63 14 724	
Romania	Department of Clinical Toxicology Spitalul de Urgenta Floreasca	Calea Floreasca Bucuresti	+40 21 230 8000	
Russia	Информационно- консультативный центр по токсикологии (RTIAC) Министерство здравоохранения Российской Федерации	3 Сухаревская Площадь Блок 7 129090 г. Москва	+7 495 628 1687 (только на русском)	
Slovenia	Center za klinično toksikologijo in farmakologijo Interna klinika, UKCL	Zaloška cesta 7 1525 Ljubljana	+386 41 650 500	
South Africa	Tygerberg Poison Information Centre	Division of Clinical Pharmacology Faculty of Medicine and Health Sciences Stellenbosch University - PO Box 241 8 000 Cape Town	0861 555 777 +56 2 2 247 3600	
Turkey	Ulusal Zehir Merkezi (UZEM) Refik Saydam Hıfzısıhha Merkezi Başkanlığı	Cemal Gürsel Cd. No: 18 Sıhhiye Çankaya 6590 Ankara	114	Information is provided to public and medical personnel on poisoning incidents via 114.

CHARBON ACTIF SUPRA 4

Safety Data Sheet

according to Regulation (EU) 2015/830

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	
United States of America	American Association of Poison Control Centers	515 King St., Suite 510 VA 22314 Alexandria	1-800-222-1222 +56 2 2 247 3600	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Self-Heating Substances and Mixtures, H252
Category 2

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H252 - Self-heating in large quantities; may catch fire.

Precautionary statements (CLP) :

P235 - Keep cool
P280 - Wear protective gloves, eye protection
P407 - Maintain air gap between stacks or pallets.
P413 - Store bulk masses greater than 10 kg at temperatures not exceeding 50 °C.
P420 - Store separately.

2.3. Other hazards

Other hazards not contributing to the classification

: HSE MDHS101/2 - Crystalline silica in respirable airborne dusts. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Potential dust explosion hazard.

CHARBON ACTIF SUPRA 4

Safety Data Sheet

according to Regulation (EU) 2015/830

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent
Name : CHARBON ACTIF SUPRA 4
CAS-No. : 7440-44-0
EC-No. : 931-334-3

Name	Product identifier	%
Activated carbon	(CAS-No.) 7440-44-0 (EC-No.) 931-334-3 (REACH-no) 01-2119488716-22	100

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Silica, respirable crystalline. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
First-aid measures after inhalation : If symptoms persist, call a physician. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact : Wash with plenty of soap and water. Get medical advice if skin irritation persists.
First-aid measures after eye contact : Rinse immediately with plenty of water. If eye irritation persists, consult a specialist.
First-aid measures after ingestion : Do not induce vomiting. Rinse mouth out with water. Do not give an unconscious person anything to drink.

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

Symptoms/effects : More detailed information: See section 11.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO₂), powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media : Do not use water jet. Avoid dust formation.

5.2. Special hazards arising from the substance or mixture

Fire hazard : When mixed with air and exposed to an ignition source, dust may burn in the open air. Self-heating in large quantities; may catch fire.
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Silica, respirable crystalline.

CHARBON ACTIF SUPRA 4

Safety Data Sheet

according to Regulation (EU) 2015/830

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Wear respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid dust formation.

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment.

Measures in case of dust release : Ensure adequate ventilation.

6.1.2. For emergency responders

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak without risks if possible. Collect spillage.

Methods for cleaning up : Shovel into suitable and closed container for disposal. Minimize generation of dust. Collect spillage.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Avoid dust formation. Dust may form flammable and explosive mixture with air. Ensure good ventilation of the work station. In case of insufficient ventilation, wear suitable respiratory equipment. When handling product, avoid contact with skin and eyes.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Remove contaminated clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store in original container. Avoid dust formation.

Storage conditions : Store in a dry place. Store in a closed container. Keep only in the original container in a cool, well-ventilated place away from moisture. Keep away from ignition sources.

Incompatible products : Strong acids, strong oxidants.

7.3. Specific end use(s)

For œnological use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

CHARBON ACTIF SUPRA 4 (7440-44-0)		
France	VME (mg/m ³)	5 mg/m ³ Alveolar fraction
France	VLE (mg/m ³)	10 mg/m ³ inhalable fraction

CHARBON ACTIF SUPRA 4

Safety Data Sheet

according to Regulation (EU) 2015/830

Activated carbon (7440-44-0)		
Austria	MAK (mg/m ³)	10 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	10 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³

CHARBON ACTIF SUPRA 4 (7440-44-0)		
DNEL/DMEL (Workers)		
Acute - systemic effects, inhalation		3 mg/m ³
DNEL/DMEL (General population)		
Acute - systemic effects, inhalation		0,5 mg/m ³

8.2. Exposure controls

Appropriate engineering controls:

Ensure that there is a suitable ventilation system. Provide appropriate exhaust ventilation at places of dust forming. Handle in accordance with good industrial hygiene and safety practice.

Materials for protective clothing:

Wear suitable protective clothing

Hand protection:

Disposable gloves. Nitrile rubber gloves. Latex gloves

Eye protection:

Safety glasses with side shields

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: Black.
Odour	: odourless.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available

CHARBON ACTIF SUPRA 4

Safety Data Sheet

according to Regulation (EU) 2015/830

Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: 630 - 640 °C
Vapour pressure	: No data available
Relative vapour density at 20 °C	: 1,671
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Dust may form explosive mixture in air.
Oxidising properties	: No data available
Lower explosive limit (LEL)	: ≥ 50 g/m ³ EN 14034-3

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

An exothermic reaction may occur.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Avoid dust formation. Heat.

10.5. Incompatible materials

Oxidizing agents and strong acids.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

CHARBON ACTIF SUPRA 4

Safety Data Sheet

according to Regulation (EU) 2015/830

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Activated carbon (7440-44-0)	
LD50 oral rat	>= 2000 mg/kg OCDE 423
LC50 inhalation rat (mg/l)	>= 8,5 mg/l 1h - OCDE 403

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : insoluble in water.
Acute aquatic toxicity : Not classified (insoluble in water)
Chronic aquatic toxicity : Not classified

12.2. Persistence and degradability

CHARBON ACTIF SUPRA 4 (7440-44-0)	
Persistence and degradability	Not biodegradable.

Activated carbon (7440-44-0)	
Persistence and degradability	Not biodegradable.

CHARBON ACTIF SUPRA 4

Safety Data Sheet

according to Regulation (EU) 2015/830

12.3. Bioaccumulative potential

CHARBON ACTIF SUPRA 4 (7440-44-0)

Bioaccumulative potential	There is no bioaccumulation.
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Activated carbon (7440-44-0)

Bioaccumulative potential	There is no bioaccumulation.
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12.4. Mobility in soil

CHARBON ACTIF SUPRA 4 (7440-44-0)

Ecology - soil	practically insoluble.
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Activated carbon (7440-44-0)

Ecology - soil	practically insoluble.
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR)	: 1362
UN-No. (IMDG)	: 1362
UN-No. (IATA)	: 1362
UN-No. (ADN)	: 1362
UN-No. (RID)	: 1362

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: CARBON, ACTIVATED
Proper Shipping Name (IMDG)	: CARBON, ACTIVATED
Proper Shipping Name (IATA)	: Carbon, activated
Proper Shipping Name (ADN)	: CARBON, ACTIVATED
Proper Shipping Name (RID)	: CARBON, ACTIVATED
Transport document description (ADR)	: UN 1362 CARBON, ACTIVATED, 4.2, III, (E)
Transport document description (IMDG)	: UN 1362 CARBON, ACTIVATED, 4.2, III
Transport document description (IATA)	: UN 1362 Carbon, activated, 4.2, III
Transport document description (ADN)	: UN 1362 CARBON, ACTIVATED, 4.2, III
Transport document description (RID)	: UN 1362 CARBON, ACTIVATED, 4.2, III

CHARBON ACTIF SUPRA 4

Safety Data Sheet

according to Regulation (EU) 2015/830

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 4.2

Danger labels (ADR) : 4.2



IMDG

Transport hazard class(es) (IMDG) : 4.2

Danger labels (IMDG) : 4.2



IATA

Transport hazard class(es) (IATA) : 4.2

Hazard labels (IATA) : 4.2



ADN

Transport hazard class(es) (ADN) : 4.2

Danger labels (ADN) : 4.2



RID

Transport hazard class(es) (RID) : 4.2

Danger labels (RID) : 4.2



14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

CHARBON ACTIF SUPRA 4

Safety Data Sheet

according to Regulation (EU) 2015/830

Packing group (IATA)	: III
Packing group (ADN)	: III
Packing group (RID)	: III

14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	: S2
Special provisions (ADR)	: 646
Limited quantities (ADR)	: 0
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P002, IBC08, LP02, R001
Special packing provisions (ADR)	: PP11, B3
Mixed packing provisions (ADR)	: MP14
Portable tank and bulk container instructions (ADR)	: T1
Portable tank and bulk container special provisions (ADR)	: TP33
Tank code (ADR)	: SGAV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 4
Special provisions for carriage - Packages (ADR)	: V1
Special provisions for carriage - Bulk (ADR)	: VC1, VC2, AP1
Hazard identification number (Kemler No.)	: 40
Orange plates	:



Tunnel restriction code (ADR)	: E
EAC code	: 1Y

- Transport by sea

Special provisions (IMDG)	: 223, 925
Limited quantities (IMDG)	: 0
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P002
Special packing provisions (IMDG)	: PP11, PP31
IBC packing instructions (IMDG)	: IBC08
IBC special provisions (IMDG)	: B3
Tank instructions (IMDG)	: T1
Tank special provisions (IMDG)	: TP33
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-J
Stowage category (IMDG)	: A
Stowage and handling (IMDG)	: SW1, H2

CHARBON ACTIF SUPRA 4

Safety Data Sheet

according to Regulation (EU) 2015/830

Properties and observations (IMDG) : Black powder or granules. Liable to heat slowly and ignite spontaneously in air. The material as offered for shipment should have been sufficiently heat-treated and should be cooled down to ambient temperature before packing.

- Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Forbidden
PCA limited quantity max net quantity (IATA) : Forbidden
PCA packing instructions (IATA) : 472
PCA max net quantity (IATA) : 0.5kg
CAO packing instructions (IATA) : 472
CAO max net quantity (IATA) : 0.5kg
Special provisions (IATA) : A3
ERG code (IATA) : 4L

- Inland waterway transport

Classification code (ADN) : S2
Special provisions (ADN) : 646
Limited quantities (ADN) : 0
Excepted quantities (ADN) : E1
Equipment required (ADN) : PP
Number of blue cones/lights (ADN) : 0

- Rail transport

Classification code (RID) : S2
Special provisions (RID) : 646
Limited quantities (RID) : 0
Excepted quantities (RID) : E1
Packing instructions (RID) : P002, IBC08, LP02, R001
Special packing provisions (RID) : PP11, B3
Mixed packing provisions (RID) : MP14
Portable tank and bulk container instructions (RID) : T1
Portable tank and bulk container special provisions (RID) : TP33
Tank codes for RID tanks (RID) : SGAV
Transport category (RID) : 4
Special provisions for carriage – Packages (RID) : W1
Special provisions for carriage – Bulk (RID) : VC1, VC2, AP1
Colis express (express parcels) (RID) : CE11
Hazard identification number (RID) : 40

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

CHARBON ACTIF SUPRA 4 is not on the REACH Candidate List

CHARBON ACTIF SUPRA 4

Safety Data Sheet

according to Regulation (EU) 2015/830

CHARBON ACTIF SUPRA 4 is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) nwg, Non-hazardous to water (Classification according to VwVwS, Annex 1 or 2; ID No. 801)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Self-heat. 2	Self-Heating Substances and Mixtures, Category 2
H252	Self-heating in large quantities; may catch fire.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product