

Product: **CLARCEL FLO / RANDALITE / RANDAFIL**

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SDS No.: 890209-002 (Version 2.1)

Date 22.12.2011 (Cancel and replace : 30.11.2011)

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

Generic Safety Data Sheet

Substance name: CLARCEL FLO / RANDALITE / RANDAFIL

REACH Registration Number: According to REACH regulation, annex IV and V, the substance does not require registration.

Grades : CLARCEL FLO : 1, 2, 5, 2 A, L, LL, M, MA, OENO, R, SP, TR, TTR, RANDALITE : W3, W4, W5, W6, W7, W9, W12, W19, W19 HP, W24, W28, W32, W32 HP, RANDAFIL : S3, S5

Use of the Substance/Mixture : Filter-aid for food, agrofood, chemical and pharmaceutical industries., Mineral load

Company/Undertaking Identification:

Supplier

CHEMVIRON France SAS
15 avenue Edouard Belin
92500 RUEIL-MALMAISON
FRANCE
Téléphone: 01 81 93 41 01
Télécopie: 01 41 29 17 34
<http://www.chemviron.eu>

sds@calgoncarbon.com

Emergency telephone number

+33 1 81 93 41 49

European emergency phone number : 112

National Chemical Emergency Centre Tel: 01865 407 333

2. HAZARDS IDENTIFICATION

Classification (Regulation (EC) No 1272/2008):

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

Classification (Directive 67/548/EEC):

This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements (REGULATION (EC) No 1272/2008):

This substance does not require a label.

Other hazards:

Environmental Effects:

In its normal state, this product does not present any specific risk for the environment.

Physical and chemical hazards:

No special risks of flammability or explosion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name of the substance¹: Expanded perlite.

Substance name :

Chemical Name ¹ & REACH Registration Number ²	EC-No.	CAS-No.	Concentration	Classification Directive 67/548/EEC	Classification Regulation (EC) No 1272/2008
Expanded perlite	–	93763-70-3	100 %	WEL substance	

Hazardous impurities :

Chemical Name ¹	EC-No.	CAS-No.	Concentration	Classification Directive 67/548/EEC	Classification Regulation (EC) No 1272/2008
Quartz (SiO ₂)	238-878-4	14808-60-7	< 1 %	WEL substance	
Cristalline silica, respirable fraction < 10µm	–		< 1 %	Xn; R48/20	STOT RE 1 (Inhalation); H372

¹: See chapter 14 for Proper Shipping Name
For the full text of the R, H, EUH-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Description of necessary first-aid measures, Most important symptoms/effects, acute and delayed:

General advice:

Remove soiled/dirty clothing, brush well and wash carefully.

Inhalation:

Move patient from contaminated area to fresh air. Blow nose. In case of persistent problems : Consult a physician. If dust inhalation is severe : move operator to fresh air, wash mouth and throat with plenty of water.

Skin contact:

Wash immediately, abundantly and thoroughly with soap and water.

Eye contact:

Wash well-open eyes immediately and abundantly with water for at least 15 minutes If irritation persists, consult an ophthalmologist.

Ingestion:

Rinse mouth with water. In case of problems : Consult a doctor.

5. FIREFIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media:

Incombustible product., Use suitable means to extinguish neighbouring fires.

Specific hazards:

No data available.

Advice for firefighters:

Special protective actions for fire-fighters:

In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid breathing dust. Do not crush, avoid the formation and spread of dust in the air. Appropriate breathing apparatus and safety goggles are recommended.

Environmental precautions:

Prevent product from entering drains.

Methods and materials for containment and cleaning up:

Methods for cleaning up:

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Elimination: See chapter 13

7. HANDLING AND STORAGE

Precautions for safe handling:

Technical measures/Precautions:

Use suitable methods of discharge and handling to prevent dust generation.

Safe handling advice:

Smoking, eating and drinking should be prohibited in the application area. Appropriate breathing apparatus and safety goggles are recommended. Do not crush, avoid the formation and spread of dust in the air.

Hygiene measures:

Provide adequate ventilation. See heading 4.
Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place.

Packaging material:

Recommended: Aluminium containers for trucks., Paper bags, Polypropylene big bags

Specific use(s) (End Use): None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

Exposure Limit Values (dust)

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
EH40 WEL	2007	TWA	-	4	Respirable dust.
EH40 WEL	2007	TWA	-	10	Inhalable dust.
ACGIH (US)	2008	TWA	-	10	Inhalable particles.
ACGIH (US)	2008	TWA	-	3	Respirable particles.

Derived No Effect Level (DNEL): No data available.

Predicted No Effect Concentration (PNEC): No data available.

EXPOSURE CONTROLS:

Personal protective equipment:

Respiratory protection: Appropriate normalized breathing apparatus is recommended.
Hand protection: Impervious gloves
Eye/face protection: Safety goggles, Eye wash bottle with pure water
Skin and body protection: Protective suit

Environmental exposure controls: See chapter 6

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical state (20°C): solid
Form: powder
Colour: white
Odour: None.
Olfactory threshold: Not relevant
pH: Concentration 10 %, pH 6,5 - 10, In water depending on grade
Melting point/range : > 1.000 °C
Boiling point/boiling range: No data available.
Flash point: not applicable
Evaporation rate: No data available.
Flammability (solid, gas): No data available.
Vapour pressure: No data available.
Vapour density: No data available.
Relative density: No data available.
Bulk density: various, depending on grade
Water solubility: Negligible
Partition coefficient: n-octanol/water: No data available.
Autoignition temperature: No data available.

Decomposition temperature: No data available.
Viscosity: No data available.
Explosive properties: No data available.
Oxidizing properties: The substance or mixture is not classified as oxidizing.

10. STABILITY AND REACTIVITY

Reactivity & Chemical stability:
Stable under recommended storage conditions.
Conditions to avoid:
No data available.
Hazardous decomposition products:
No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological information:

Acute toxicity:

Local effects (Corrosion / Irritation / Serious eye damage):

Skin contact: No data available.
Eye contact: Irritation due to dust.

Respiratory or skin sensitization:

Inhalation: No data available.
Skin contact: No data available.

CMR effects :

Mutagenicity: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.

Specific target organ toxicity :

Single exposure :

Inhalation: Possible temporary irritation of respiratory tract. (Physical effect of dust)

Repeated exposure: No data available.

Aspiration hazard: No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicology Assessment: No known harmful effect on the aquatic environment. Do not dispose large quantities into the natural or aquatic environment.

Acute toxicity

Microorganisms: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential : No data available.

Mobility in soil : No data available.

Results of PBT and vPvB assessment: No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment:

Disposal of product: Uncontaminated product : dispose of at an approved waste disposal site. Used product (filtration product) : dispose of at an approved waste disposal site according to the nature of the original use. In accordance with local and national regulations.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Safety data sheets: according to Regulation (EC) No. 1907/2006
UK REGULATION Chip3: Chemical (Hazard Information and Packaging for Supply) Regulations 2002

INVENTORIES:

EINECS: Conforms to
TSCA: Conforms to
AICS: Conforms to
DSL: All components of this product are on the Canadian DSL list.
ENCS (JP): Does not conform
KECI (KR): Conforms to
PICCS (PH): Conforms to
IECSC (CN): Conforms to
NZIOC: Conforms to

16. OTHER INFORMATION

Full text of R, H, EUH-phrases referred to under sections 2 and 3

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
H372 Causes damage to organs through prolonged or repeated exposure if inhaled.

Thesaurus:

NOAEL : No Observed Adverse Effect Level (NOAEL)
LOAEL : Lowest Observed Adverse Effect Level (LOAEL)
bw : Body weight
food : oral feed
dw : Dry weight
vPvB : very Persistent and very Bioaccumulative
PBT : Persistent, Bioaccumulative and Toxic

This safety data sheet complies with international standard ISO 11014-1. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear. The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

NB: In this document the numerical separator of the thousands is the "." (point), the decimal separator is "," (comma).