



CLARIL SP

MATERIAL SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

Substance

Chemical Name

Commercial Names and
Synonyms Claril SP
Chemical Abstract Nomenclature

Uses Clarifying agent

Company Tel. +39-0321-790-300 (please see bottom of the page)

Emergency service Niguarda Hospital tel. +39-02-6610-1029

2 - COMPOSITION / INFORMATION ON INGREDIENTS

- **General description of the components, relative concentrations and risks**

Chemical name	N° CAS	N°EINECS	Conc/Range %	Classification	
				Symbols	R phrases
Bentonite	1302-78-9		50		
PVPP	9003-39-8		20		
Amorphous silica			15		
Potassium caseinate			15		

3 – HAZARDS IDENTIFICATION

Not dangerous classified substance according to official current regulations.

Health risks Low risk – Prevent dusts breathing.
The product contains a maximum of 0.005% of breathable dusts (< 7.1 µm), that can contain a maximum of 10% of crystal silica. The content in breathable crystal silica is lower than 0.0005 %

Environmental risks Low risk

Physical and chemical hazards None
Fire and explosion

4 – FIRST AID MEASURES

Inhalation Move the injured person outside

Skin contact Wash abundantly with water and soap

Eyes contact Wash immediately with water. Seek medical advice in case of irritation

Ingestion Rinse the mouth with water

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5 – FIRE-FIGHTING MEASURES

Advised extinguishing agents	Water, carbon dioxide, foam and powder
Extinguishing agents to be avoided	None
Dangers caused by combustion matters	Nitric oxides (NO _x), carbon dioxide, hydrogen cyanide
Protection measures in case of intervention	None
Additional information	Uninflammable

6 – ACCIDENTAL RELEASES MEASURES

Collection and disposal methods	Collect mechanically in suitable containers by limiting dust formation – Re-use the non-contaminated product
Personal-related safety precautions	Do not breathe in dusts
Environmental protection	Prevent the introduction of the product into the sewage system or canals

7 – HANDLING AND STORAGE

Handling	Prevent dust formation. Prevent electrostatic charges accumulation. Observe usual precautions for chemicals handling
Storage	Store in a dry, cool and well-ventilated place

8 – PERSONAL PROTECTION / EXPOSURE CONTROL

Respiratory protection	Anti-dust mask (in case of dust formation)
Skin protection	
Hand protection	Safety gloves (in case of dust formation)
Eyes protection	Safety goggles with side screen – Do not wear contact lenses
Exposure limits	ACGIH 1993-94) TLV-TWA with reference to crystal silica: 0,1 mg/m ³ (quartz) - 0,05 mg/m ³ (tridymite and cristobalite)

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9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	physical state	Powder
	colour	White-beige
	smell	None
Melting point		
Boiling point		
Density		
Solubility in water		
Flash point		
Inflammability limits (vol % in air)		
Autoignition temperature		
pH		
Coefficient of division n-octanol/water		

10 – STABILITY AND REACTIVITY

Conditions to be avoided	Decomposition starting at > 220°C. Danger of dust explosions
Products to be avoided	Unknown
Hazardous decomposition products	Unknown

11 – TOXICOLOGICAL INFORMATION

Penetration ways	Inhalation yes Ingestion no Contact no
Acute toxicity	LD50 (oral, rat): >2000 mg/kg (PVPP)
Inhalation consequences	Irritation
Ingestion consequences	Unknown
Skin local effects	Unknown
Eyes local effects	Irritation
Additional information	Prolonged inhalation of dusts containing breathable quartz fractions in concentrations higher than limits can cause silicosis

12 – ECOLOGICAL INFORMATION

Low solubility in water - Separable mechanically in water treatment plants - Hardly biodegradable because of its mineral origin – Unlikely bioaccumulation because of its scarce solubility in water – Ecotoxicity: unknown – Small polluting effects because of its scarce solubility in water.

PVPP: Ichthyotoxicity (acute)

Test methodology: DIN 38 412, L1, L15

LC50/Leuciscus idus/: > 10000 mg/L/96h

No observed effect concentration (NOEC): 10000 mg/L

EC/LCO (48h): > 10000 mg/L

Product not tested. Datum inferred from products with similar structure.

The product must not be introduced in reflux waters without a pre-treatment (purification plant).

Hardly biodegradable because of its scarce solubility - Unlikely bioaccumulation because of its scarce solubility in water - Small polluting effects because of its scarce solubility in water.

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13 – DISPOSAL CONSIDERATIONS

Product	PVPP: hardly biodegradable product, hardly soluble in water so it can be eliminated through mechanical separation in purification plants in accordance with local regulations
Contaminated packages	Empty the package, unfold it completely and dispose of it according to the material

14 – TRANSPORT INFORMATION

Product non subject to ADR/RID and IMO regulations, related to road, sea and airway transport of dangerous goods.

15 – REGULATORY INFORMATION

EC labelling	[]	Required by the law
	[]	Temporary
	[X]	Not required
# Classification		

16 – OTHER INFORMATION

Hazard symbol
Risk phrases

Safety phrases

This material safety data sheet has been issued in accordance with 2001/58/CE.

Before starting the use of this product for any new process or experiment, it must be carried out a deep study on the safety and the compatibility of the product itself with materials it could come in contact with.

The information contained in this safety data sheet is given to protect health and safety at work. No responsibility is taken for possible damages arising from uses of this information for different purposes from the ones here indicated.

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