



SAFETY DATA SHEET

Revision: 12
Issue Date: 21.09.2016
Supersedes Date: 12.05.2015

This Safety Data Sheet is in accordance with
Regulation (EC) No 1907/2006, REACH/CLP (830/2015/UE).

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

1.1 Product identifier

Product Name : **filtraPAC® -**
Chemical Name : POLYANIONIC CELLULOSE (PAC)
Other Names : PAC, PAC LV, PAC HV

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

Rheology control agent for industrial applications.

1.3 Details of the supplier of the safety data sheet

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O.S.B. UMURLU, 09630, AYDIN, TURKEY
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1.4 Emergency telephone number

+90 256 259 1144

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600 Stewart Street, Suite 400
Seattle, WA 98101
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24-Hour Emergency - INFOTRAC
1-800-535-5053/001-352-323-3500
Acct # 79932

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

No particular hazards known, based on the available data the product is not dangerous.

Classifications according to CE Regulation n. 1272/2008 - (CLP): Not Classified

Labelling (REGULATION (EC) No 1272/2008): None

Regulation OSHA/US/HCS: Not Classified

Regulation GOST 31340-2007: Not Classified

Regulation SEA: Not Classified

2.2 Label elements

Label & Pictogram: None

2.3 Other Hazards

Aqueous solutions or powders produce extremely slippery surfaces. Risk of dust explosion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component(s) / CAS No	EC / REACH	EU CLP Classification	EINECS No	Pictogram, H&P phrases and oher data
Anionic polymer of sodium salt of carboxymethyl ether of cellulose 9004-32-4	Exempted	Not Classified	N/A	N/A



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4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1

Special Instructions : Not any
Skin Contact : In case of contact with skin wash with warm water.
Eye Contact : In case of contact with eyes rinse thoroughly with water.
Inhalation : In case of inhalation move person to fresh air and seek medical assistance.
Ingestion : In case of ingestion consult a doctor whether a stomach washout is necessary.

4.1.2

Wear safety goggles (European standard - EN 166) and eye flushing equipment available. Wear chemical resistant gloves to prevent skin contact also use appropriate protective clothing.

4.2 Most important symptoms and effects, both acute and delayed

Not any

4.3 Indication of any immediate medical attention and special treatment needed

Eye Contact : In case of contact with eyes rinse thoroughly with water.
Ingestion : In case of ingestion consult a doctor whether a stomach washout is necessary.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Water spray jet, alcohol resistant foam, carbon dioxide.
Extinguishing media which shall not be used for safety reasons: Not determined.

5.2 Special hazards arising from the substance or mixture

Special exposure hazards in a fire : Smoke can contain alkaline fumes and carbon monoxide (CO).
Special protective equipment for fire-fighters : Self-contained breathing apparatus.

5.3 Advice for firefighters

Other instructions : With water the product forms very slippery surfaces. Burns slowly.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Avoid dust formation, the material is slippery when mixed with water.

6.1.2 For emergency responders

Wear chemical resistant gloves and safety goggles. Also use appropriate protective clothing.

6.2 Environmental precautions

Environmental precautions : Collect spills of the material, avoid material to enter drains.



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6.3 Methods and material for containment and cleaning up

6.3.1

Collect the material on dry basis and avoid using water for this purpose.

6.4 Reference to other sections

Other instructions : Refer to section 8 for personal protective equipment.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1

Avoid formation of dust and contact with water.

7.1.2

Avoid eating and drinking in work area also wash hands after use for general occupational hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Storage : Keep in dry and humidity free places.

7.3 Specific end use(s)

Other instruction : Not any.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Engineering Controls : Provide a fan system (natural or mechanical) in order to control exposure levels below airborne exposure limits. The use of local mechanical fan system is preferred at sources of air contamination such as open process equipment. If not specified dusts are: ACGIH: 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction) OSHA PEL: 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).

Exposure Limits : Not established

8.2 Personal Protection

Occupational exposure controls : Exhaust ventilation for places where dust is formed.

Respiratory protection : If handling generates dust levels which cause irritation, or results in personal exposure exceeding the Occupational Exposure Standard (OES) of 10 mg M-3 (8 hr TWA reference period) for total inhalable dust, then suitable approved dust respirator should be used. Personal exposure to dust should ideally be controlled to the lowest level possible below the OES. A respirator that meets Standard EN 149 type P2, such as 3M8810 or 8210 is recommended.

Hand protection : Protective gloves (Europe EN374, US F739)

Eye protection : Protect eyes from exposure. Wear safety goggles (European standard - EN 166) and eye flushing equipment available

Skin protection : Wear chemical resistant gloves to prevent skin contact also use appropriate protective clothing.

General protective measures : Avoid contact with skin and eyes, do not inhale dust.

Environmental exposure controls : Not any

9. PHYSICAL AND CHEMICAL PROPERTIES



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9.1 Information on basic physical and chemical properties

(a) Appearance	: White or yellowish, powder or granulates
(b) Odour	: Odourless
(c) Odour threshold	: None
(d) pH	: 6 – 11 (1% solution)
(e) Melting point/freezing point	: Not available
(f) Initial boiling point and boiling range	: Not available
(g) Flash point	: Not available
(h) Evaporation rate	: Not available
(i) Flammability	: Not available
(j) Upper/lower flammability or explosive limits	: Not available / min. 125 g/m ³
(k) Vapour pressure	: Not available
(l) Vapour density	: Not available
(m) Relative density	: ~1.6 g/cm ³ (20 °C), Bulk density: 400 – 880 kg/m ³
(n) Solubility(ies)	: In all proportions to colloidal solution, cold and warm water.
(o) Partition coefficient: n-octanol/water	: Pow < - 0,1 for all ingredients (n-octanol/water)
(p) Auto-ignition temperature	: Not available
(q) Decomposition temperature	: Not available
(r) Viscosity (cps)	: 10 – 10.000 (% 2 - 25°C Brookfield LVT)
(s) Explosive properties	: Not available
(t) Oxidising properties	: Not available

9.2 Other information

Other information : Not soluble in fat

10. STABILITY AND REACTIVITY

10.1 Reactivity

Avoid oxidizing materials

10.2 Chemical stability

Thermal decomposition limit: > 240°C

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

Avoid stocking above 50°C due to viscosity stability also dark and dry places will prevent any instability issue.

10.5 Incompatible materials

None

10.6 Hazardous decomposition products

Alcaline Na₂O

11. TOXICOLOGICAL INFORMATION



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11.1 Information on toxicological effects

Acute oral toxicology : LD 50 > 16000 - 27000 mg/kg (rat)
Very low toxicity if swallowed, may cause discomfort and/or vomiting.
Acute inhalation toxicity : LC 50 > 5800 mg/m³, 4 hours (rat)
Acute dermal toxicity : LD 50 > 2000mg/kg (rabbit)
Irritation and corrosiveness : None
Sensitisation : May cause slight eye irritation and slight skin irritation if contact time is long.
Carcinogenicity : Not listed by NTP and IARC.
Chronic Toxicity : Not applicable

12. ECOLOGICAL INFORMATION

12.1 Toxicity

The product is not classified as dangerous to aquatic organisms or hazardous to the environment.

LC 50 > 21.000mg/l (trout, 96hrs) , LC 50 > 56.0000mg/l (salt water stickle back, 96 hours)

BOD : BOD7: approximately 50-100 g O₂/kg

COD : approximately 900 g O₂/kg

12.2 Persistence and degradability

Not readily but inherently Biodegradable, slowly.

12.3 Bioaccumulative potential

None

12.4 Mobility in soil

Not available

12.5 Results of PBT and vPvB assessment

PBT: Not applicable, vPvB: Not applicable

12.6 Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

In compliance with local, state and national authority regulations.

European Waste Catalogue (EWC): 160306

14. TRANSPORT INFORMATION

14.1 UN Number

ADR, ADN, IMDG, IATA: not regulated

14.2 UN proper shipping name

Not dangerous

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA: Not classified

14.4 Packing group

ADR/RID: - IMDG: - IATA: RID: Not classified

14.5 Environmental hazards

ADR/RID: No IMDG Marine pollutant: No

IATA: No



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14.6 Special precautions for user

None

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

None

15. REGULATORY INFORMATION

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

Hazard warning labelling : Not compulsory

H&P phrases : None

Chemical safety assessment : Not required

See Sections 2, 3, 8, 11 and 12 for chemical information

Component / Cas No	EC / REACH	USA (TSCA)	Canada	Japan	Korea	Taiwan (ECN)	Philippines (PICCS)	China (IECSC)	Australia (AICS)	New Zealand (NZIoC)
Anionic polymer of sodium carboxymethyl ether of cellulose 9004-32-4	Exempted	Present	Present (DSL)	(8)-181 (ENCS) (8)-185 (ENCS) (8)-203 (ENCS) (8)-181 (ENCS) 11-(4)-761 (ISHL)	KE 05354	Nominated	Present	Present	Present	Present

Classifications according to CE Regulation n. 1272/2008 - (CLP): Not Classified

Labelling (REGULATION (EC) No 1272/2008): None

Regulation OSHA/US/HCS: Not Classified

Regulation GOST 31340-2007: Not Classified

Regulation SEA: Not Classified

15.2 Chemical safety assessment

Not applicable

16. OTHER INFORMATION

Restrictions on use : Not available

Sources of key data : Literature

Note: This version is issued in order to comply with Regulation (EC) 1907/2006 and REACH/CLP (EU) (830/2015/UE).

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Signature : Sezer OZGENC

Certificate No : GBF-1351 - TS EN ISO/IEC 17024

The data provided in this safety data sheet is only for information and based on our knowledge, common practices and literature and intended to describe the product in terms of safety. It makes no warranty, guarantee concerning the use of the product alone or in combination with other products in case of an unexpected event occurs. Users are advised to make their own tests to determine the suitability of each product for their intended and individual use.