

MATERIAL SAFETY DATA SHEET (MSDS)

1. DF – PAC LV MATERIAL SAFETY DATA SHEET (MSDS)

• Product Name	• DF – PAC LV
• Chemical characterization	• POLY ANIONIC CELLULOSE
• CAS NUMBER	• 9004 – 32 - 4
• APPERANCE	• OFF WHITE FREE FLOWING POWDER
• ODOUR	• ODERLESS
• SOLUBILITY	• SOLUBLE IN WATER AND SALINE W.

2. HAZARDS IDENTIFICATION

Not classified as hazardous according to the EEC Dangerous Substance Directive and Dangerous Preparation Directive.

- **HAZARDS IDENTIFICATION: SYMPTOMS AND EFFECTS** No typical symptoms and effects known.
- **FIRST AID : GENERAL** In all cases of doubt, or if symptoms persist, seek medical attention
- **INHALATION:** Move to fresh air, if symptoms persist, seek medical advice.
- **SKIN:** Wash immediately with soap and water.
- **EYE:** Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to insure thorough rinsing. Seek medical attention if irritation develops.
- **INGESTION :** Rinse mouth, give water to drink
- **ADVICE TO PHYSICIAN:** No specific recommendations.

3. TOXICITY

- **ACUTE TOXICITY**
- **ORAL LD50 RAT:** 15000-27000 MG/KG (LIT.)
- **SENSITIZATION** Not sensitizing (Human experience) (LIT)
- **GENOTOXICTY Ames test:** Not mutagenic (LIT)

4. FIRST AID MEASURES

- **General:** Persons seeking medical attention should carry a copy of this MSDS with them.
- **Eye contact:** Rinse with water whilst keeping the eyes wide open.
- **Skin contact:** Rinse with plenty of water.
- **Ingestion:** Call a doctor who will decide whether a stomach washout is necessary.
- **Inhalation:** Move the affected person away from the contaminated area and into the fresh air. Make affected person rest. If necessary seek medical advice
- **SKIN:** Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if any discomfort continues.
- **EYES:** Promptly wash eyes with lots of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues

5. FIRE AND EXPLOSION DATA

- **EXTINGUISHING MEDIA:** Water, carbon dioxide, foam, powder
- **UNSUITABLE EXTINGUISHING MEDIA :** none known
- **SPECIAL EXPOSURE HAZARDS:** Dust/air mixtures may ignite upon exposure to sparks or hidden sources of ignition
- **HAZARDOUS DECOMPOSITION:** CO, CO₂, hydrocarbons, combustion products.
- **PROTECTIVE EQUIPMENT** In case of insufficient ventilation, wear adequate respiratory protection
- **OTHER INFORMATION:** Wet floors on which this product is spilt may become very slippery.

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6. ACCIDENTAL RELEASE MEASURES

- **PERSONAL PRECAUTIONS :** No specific recommendations
- **ENVIRONMENTAL PRECAUTIONS:** Collect as much as possible in a clean container for (preferable) re use or disposal.
- **METHODS FOR CLEAN UP:** Preferably dry: Sweep up and put it into a container for disposal.
- **WET FLOORS** on which this product is spilt may become very slippery.

7. HANDLING AND STORAGE

- **HANDLING PRECAUTIONS:**
 - Handle in well ventilated areas. Avoid dust generation.
- **FIRE AND EXPLOSION PREVENTION :**
 - No sparking tools should be used (dust/air mixtures may ignite violently upon exposure to sparks or sources of ignition)
- **STORAGE REQUIREMENTS**
 - Keep only in the original container.
 - Keep container dry (hygroscopic).
- **STORAGE PRECAUTIONS:**
 - Store at moderate temperatures in dry, well-ventilated area. Keep in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **ENGINEERING CONTROLS :** Provide adequate ventilation
- **EXPOSURE LIMITS :** No exposure limits have been established for this material
- **PERSONAL PROTECTION :**
 - **RESPIRATORY :** In case of dust formation, use dust mask
 - **Hand protection:** Impermeable gloves are recommended if extended exposure anticipated.
 - **Eye protection:** The use of suitable eye protection (goggles OR safety glasses) is recommended.
 - **Skin protection:** Normal working clothes.
- **Other protecting equipment :** Eyewash fountains and deluge shower should be provided in areas where there is any possibility that the workers could be exposed to the substances

9. WASTE AND DISPOSAL

- **WASTE MANAGEMENT:**

This product does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria.
- **DISPOSAL METHODS:**

Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a Permitted industrial local regulations and disposal in a permitted industrial landfill.

10. STABILITY AND REACTIVITY

- **STABILITY :** Stable under recommended storage and handling conditions
- **CONDITIONS TO AVOID :** Avoid dust generation
- **MATERIALS TO AVOID :** Not Relevant
- **HAZARDOUS DECOMPOSITION:** No typical hazardous decomposition products known.

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11.SPECIAL RECOMMENDATIONS

- **Other Special Considerations:** The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely the users' responsibility

