

DESCRIPTION

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| General Description Sodium fluoride technical grade White free flowing crystalline powder | | Date effective - edition April, 2011-01 |
| Grade Technical grade | Formula NaF | Molecular weight 42 |
| EINECS 231-667-8 | CAS number 7681-49-4 | Transport Class 6.1 - UN 1690 - Packing group III MFAG Table Nr 750 - EMS 6.1-04 |

PRODUCT CHARACTERISTICS

| Chemical properties | Unit | Typical analysis | Specifications | Methods |
|----------------------------------|------|------------------|----------------|------------------------|
| Insoluble substances | % | < 0.10 | 0.60 Max. | PLC 03 - Gravimetry |
| Loss on desiccation @ 105 °C | % | < 0.01 | 0.10 Max. | PLC 13 - Gravimetry |
| NaF | % | 99.0 | 98.5 Min. | PLC 01 - Titrimetry |
| Na ₂ SiF ₆ | % | < 0.01 | 0.20 Max. | PLC 17 - Titrimetry |
| Alkalinity (% NaOH) | % | < 0.01 | 0.10 Max. | PLC 17 - Titrimetry |
| Impurities content | | | | |
| As | ppm | 0.2 | 0.5 Max. | PICP 04 - ICP* |
| Pb | ppm | < 1.0 | 1.0 Max. | PICP 03 - ICP* |
| Cl | ppm | 50.0 | 100.0 Max. | PLC 04 - Titrimetry |
| Fe | ppm | 15.0 | 50.0 Max. | PICP 03 - ICP* |
| SO ₄ | ppm | 180.0 | 250.0 Max. | PICP 03 - ICP* |
| Heavy metals (as Pb) | ppm | < 10 | 50 Max. | PLC 08 - FCC test |
| Physical properties | | | | |
| Particle size distribution (D50) | µm | 90 | 60 - 140 | PLC 09 - size analysis |
| Particle size distribution (D99) | µm | < 850 | 850 Max. | PLC 09 - size analysis |

* ICP : Inductively Coupled Plasma

THEORETICAL VALUES

| | |
|-------------------------------|--------------|
| Solubility in water (@ 20 °C) | 3.5 g/100 ml |
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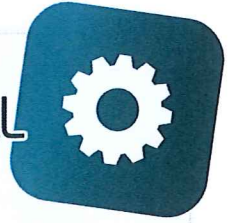


PRAYON

PRODUCT SPECIFICATION DATA SHEET

fluopray

INDUSTRIAL



FLUOPRAY™ NaF Tech Pure

STORAGE & SHELF LIFE

Store in a dry place.
Best before : 4 years after production date.

KEY PROPERTIES

Opacifying agent, fluoridation, alloys protective agent (anti-oxidation), ...

APPLICATIONS

- Flux in the manufacture of rimmed steel
- Treatment of stainless steels
- Ingredient in dyes preparations (pigments, textile dyes)
- Vitreous enamels, opalescent glass and ceramics
- Electroextraction and electro-refining of aluminium
- ...

| | |
|-----------------------------|---|
| Plant location | Puurs - Belgium |
| Packaging types | Big bags of 1 000 kg - paper bags of 25 kg or 50 lbs and 50 kg or 100 lbs |
| Handling precautions | See on MSDS |

CERTIFICATIONS

ISO 9001 (Quality) - OHSAS 18001 (Security) - ISO 14001 (Environment) - Kosher Pareve Passover - Responsible Care - NSF / ANSI Std. 60 (Drinking Water Treatment Chemicals)

REGULATIONS & STATEMENTS

GMO free - Allergen free - BSE/TSE free - Mineral origin. Meets the requirements of the American Water Works Association. Standard AWWA powdered grade 701 - 06

MISCELLANEOUS

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Responsible Care



Kosher Passover Pareve



WATER QUALITY
Drinking Water Treatment Additive
ANSI/NSF Standard 60
18 YN
Maximum use level : 1.2 mg/L

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For further information on our Products & Services, visit our Web site

www.prayon.com