

Melstar T[®]

Iron sulphate heptahydrate Technical Snow crystals



Typical chemical content & properties

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|--------------------------|--|-----|------------|
| Chemical composition | Fe(II) SO ₄ · 7H ₂ O | Ni | 56 ppm |
| Forme | Pale-green, moist salt | Se | < 0.1 ppm |
| Typical Fe ²⁺ | 17.6% | Zn | 29 ppm |
| Free moisture | < 4.0% | Cu | 0.9 ppm |
| Insolubles | 0.09% | Pb | 0.2 ppm |
| Apparent density | Approx. 1 t/m ³ | Cd | < 0.03ppm |
| Analysis | EN 889 | Hg | < 0.01 ppm |
| PH | 2 (saturated solutions) | Cr | <13 ppm |
| Sulfure (S) | 11,3% | As | < 0.1ppm |
| Magnesium (Mg) | 1 % | Sb | < 0.1ppm |
| | | Aox | < 2 ppm |

| | Temperature | Solubility | Density |
|------------|--|------------|-----------|
| Saturation | At 10°C | 400 g/l | 1.20 kg/l |
| | At 20°C | 500 g/l | 1.25 kg/l |
| | At pH >3, or undersaturated, solutions will tend to hydrolyse. | | |
| | Solutions will freeze at -2°C, independent of concentration. | | |

Applications

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| Agrochemicals | PFC1-C.II.a, Straight inorganic micronutrient fertiliser – iron sulphate CMC-1, Virgin material substances and mixtures |
| | Soil fertilizer to decrease iron chlorosis |
| Water | Precipitant and flocculant for Phosphate elimination, Industrial effluent treatment |
| Pigment | As pigment (additive) for textile, leather, wood. |

Other informations

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| Technical quality | The product may contain small amounts of insoluble foreign substances. |
| Packaging | In bulk, in 1000 kg big bags, in valve-type single heavy-duty PE bags of approx. 25kg. |

