

Substance Identification Profile

Ferric Sulfate

(CAS 10028-22-5, EC 233-072-9)

The substance identification profile for ferric sulfate (CAS 10028-22-5, EC 233-072-9) applicable to the Aluminium and Iron Salts REACH Consortium at the date of this report is:

- Molecular weight: 399.9 g mol⁻¹
- Structure and SMILES code



- Purity: >80%
- Deviations below this purity value would not normally be acceptable since this would suggest that the substance should not be considered as a mono-constituent substance.
- No impurities which affect the hazard profile should be present.
- Sulfuric acid, Iron salts, other metal salts and trace metal impurities have been identified.
- No definite sVHC constituents are present.

This profile also covers any salts in the form $\text{Fe}_2(\text{OH})_x(\text{SO}_4)_{(3-0.5x)}$ where x is <1 and where the physicochemical properties and hazard profile do not differ from those of $\text{Fe}_2(\text{SO}_4)_3$.

The definition of this substance also covers a number of chemical identities relating to specific hydrates of this salt. Under REACH all hydrates are covered by the registration of the anhydrous salt.