

Substance Identification Profile

Ferric Chloride

(CAS 7705-08-0, EC 231-729-4)

The substance identification profile for ferric chloride (CAS 7705-08-0, EC 231-729-4) applicable to the Aluminium and Iron Salts REACH Consortium at the date of this report is:

- Molecular weight: 162.2 g mol⁻¹
- Structure and SMILES code

FeCl₃



- 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.
- HCl, Iron (II) salts, and trace metal impurities have been identified.
- No definite sVHC constituents are present.

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.