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Substance Identification Profile – Ammonium hydrogensulfite

CAS No.	EC No.	Chemical name	Chemical formula	Molecular weight [g/mol]
10192-30-0	233-469-7	Ammonium bisulfite; Ammonium hydrogensulfite; Ammonium acid sulfite; Ammonium hydrosulfite; Ammonium monosulfite; Sulfurous acid, monoammonium salt	NH ₄ HSO ₃	99.10

Classification	Labelling
Currently not classified	Currently not labelled

Typical composition	
Component	in % (mass)
NH ₄ HSO ₃ , aq. solution ¹	≥ 50 - ≤ 72
(NH ₄) ₂ SO ₃	< 10
(NH ₄) ₂ SO ₄	< 1.5
(NH ₄) ₂ S ₂ O ₃	< 0.2
sum of other impurities ²	< 2

¹ Ammonium hydrogensulfite (NH₄HSO₃) is only stable in aqueous solutions up to an approximate upper limit of 70% (w/w). Higher concentrations of hydrogensulfite, achieved by e.g. removal of water lead to a condensation reaction which finally forms another substance, namely diammonium disulfite ((NH₄)₂S₂O₅). Water as an impurity is not considered to contribute to any hazard properties of the reported composition.

² Note: according to ECHA guidance for identification and naming of substances under REACH and CLP, December 2023, v.3.0 (<https://echa.europa.eu/>): "Impurities present in a concentration > 1% shall be specified by name and identifiers. Impurities that are relevant for the classification and/or PBT assessment shall always be specified by the same identifiers, independently from their concentration."

Tonnage band	Information requirement	Registration deadline
>1000 t/a	Annex VII-X	Dec. 2010

Statement:

The substance does **NOT** contain any other impurities that will trigger more severe classification than the classification as derived for the pure substance. We herewith declare and attest that the substance specifications of the substance we intend to register are in line with the above mentioned substance specifications given by SDIOC.

Company:	Name:

Date:

Signature: