

Substance Identification Profile – Potassium thiosulfate

CAS No.	EC No.	Chemical name	Chemical formula	Molecular weight [g/mol]
10294-66-3	233-666-8	Potassium thiosulfate; Dipotassium thiosulfate; Potassium hyposulfite; Thiosulfuric acid, dipotassium salt	K ₂ S ₂ O ₃	190.33

Classification	Labelling
Currently not classified	Currently not labelled

Typical composition	
Component	in % (mass)
K ₂ S ₂ O ₃	> 93.5 - ≤ 100 ¹
K ₂ SO ₃	< 4
K ₂ SO ₄	< 0.5
sum of other impurities ²	< 2

¹ The SIP is based on the solid substance, only. Reason for not considering the composition of the aqueous solution (i.e., up to 55 % (w/w) water) is, that according to ECHA guidance for identification and naming of substances under REACH and CLP, December 2023, v.3.0 (<https://echa.europa.eu>): a substance is defined as: "A chemical element and its compounds in the natural state or obtained by any manufacturing process, **including any additive necessary to preserve its stability** and any impurity deriving from the process used, **but excluding any solvent which may be separated without affecting the stability of the substance or changing its 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: