

STPP “SIP” (substance identity) and GHS classification

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The Joint Registration dossier submitted by the STPP Reach Consortium covers substances if conform to the specifications below.

STPP Reach Consortium: <http://www.reachcentrum.eu/EN/consortium-management/consortia-under-reach/stpp-reach-consortium.aspx>

EC numbers:	231-838-7 237-004-9
EC name:	Pentasodium triphosphate
Other names:	Sodium Tri Poly Phosphate (STPP) Sodium tri polyphosphate hexahydrate Triphosphoric acid, sodium salt
CAS numbers:	7758-29-4 13573-18-7 15091-98-2 (Hexahydrate)
Molecular formula:	$\text{Na}_5\text{P}_3\text{O}_{10}$ $\text{H}_{5-x}\text{P}_3\text{O}_{10}\text{Na}_x$ (where x is approximately 5) $6\text{H}_2\text{O}\cdot\text{Na}_5\text{P}_3\text{O}_{10}$
Molecular weight range:	367.862 – 475.8
Structural formula	<p>The structural formula shows three phosphorus atoms (P) arranged in a horizontal chain, connected by oxygen atoms (O). Each phosphorus atom is also bonded to an oxygen atom (O) above it and a sodium ion (ONa) below it. The chain starts with a sodium ion (NaO) on the left and ends with a sodium ion (ONa) on the right.</p>
Composition All as % dry weight, after excluding water.	<ul style="list-style-type: none"> Substance >90% purity All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties All hazardous impurities are < 0.1%
Granulometry	Up to 100% of particles have a diameter of <100 µm. Considered to pose an inhalation risk
GHS Classification and Labelling	Not Classified
pH	>= 9.1- <= 10.2 (10 g/l, 25°C)