TECHNICAL DATA SHEET

SODIUM BISULPHITE SOLUTION HP 25% SO_2

PRODUCT DATA AND TYPICAL PROPERTIES

Formula	: $NaHSO_3$
Molecular weight	: 104.06
Specific gravity (20℃)	: 1.33 (typical)
Crystallisation temperature	: 0℃ approx.

PRODUCT SPECIFICATION

Appearance		clear pale yellow liquid
Assay	% w/w SO_2	25.0 ± 0.5
	% w/w $NaHSO_3$	40.6 ± 0.8
pH (20℃, neat)		3.5-5.0
Sulphates	% Na_2SO_4	< 1.5
Iron	% as Fe	< 0.00025
Heavy metals	% as Pb	< 0.001
Selenium	% as Se	< 0.0001
Arsenic	% as As	< 0.0001
Lead	% as Pb	< 0.0002
Mercury	% as Hg	< 0.0001
Antimony	% as Sb	< 0.0001
Cadmium	% as Cd	< 0.0001
Chromium	% as Cr	< 0.0001
Nickel	% as Ni	< 0.0001

The product supplied to this specification meets the requirements for food additive E222 – EU 231/2012 & EU 497/2013 and chemicals used for treatment of drinking water UNI EN 12120:2012.
The product is tested using our standard analytical methods.

STANDARD PACKAGING

Road tankers, according to transport regulations.
1000 litre Intermediate bulk containers (IBCs), 200 and 25 litre polyethylene drums.

HANDLING AND STORAGE

Shelf life:	Nominally 18 months. Do not keep part full containers. Rapid deterioration due to oxidation will occur.
Storage Conditions:	In full, sealed containers in a cool place, out of direct sunlight, ideally in a warehouse. Store at 10-20℃. Store away from acids and oxidising agents or products that could release acids.

MAIN USES

In food industry as additive (E222) preservative, antioxidant and antimicrobic.
In sugar industry to assure sterile conditions in diffusion and to decolourise thin juices.
In water desalting plants with reverse osmosis for removing the excess of chlorine and for membrane preservation.
In drinking water treatment, in order to remove the excess of chlorine.
In starch production as bacteriostatic.
In chemical synthesis, in the purification of aldheydes and ketones, as a catalyst, in the production of sulphonates, pesticides and herbicides, etc.
In textile and pulp & paper industry: as bleaching agent, and for removing of excess of chlorine and peroxides.
In steam boiler treatment to remove dissolved oxygen.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

ESSECO UK LIMITED, Calder Vale Road, Wakefield, West Yorkshire, WF1 5PH, England, UK
Tel +44 (0) 1924 371 919, Fax +44 (0) 1924 290 408, www.essecouk.com