



## TECHNICAL DATA SHEET

# AMMONIUM BISULPHITE SOLUTION 70%

### PRODUCT DATA AND TYPICAL PROPERTIES

Formula	: NH <sub>4</sub> HSO <sub>3</sub>
Molecular weight	: 99.10
Specific gravity (20 °C)	: 1.39 (typical)
Crystallisation temperature	: 0 °C approx.

### PRODUCT SPECIFICATION

Appearance		clear citrine yellow liquid
Assay	% w/w NH <sub>4</sub> HSO <sub>3</sub>	70.0 ± 2.0
pH (20 °C, neat)		5.0 ± 0.5
Iron	% as Fe	≤ 0.0005

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 10-30 °C.  
Store away from acids and oxidising agents or products that could release acids.

### MAIN USES

In drilling water (oil extracting industry), as oxygen scavenger.  
In water treatment to remove dissolved oxygen.  
In the manufacture of caramel.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.

Product: AMMONIUM BISULPHITE SOLUTION 70%  
Document Reference: PS 3C

Issue No. 7

Issue Date: March 2013  
Page 1 of 1

Information provided on this Technical Data Sheet is believed to be accurate and is given in good faith, but it is for the Customer to satisfy itself of the suitability of the Product for its own particular purpose. Accordingly, Esseco UK Limited gives no warranty as to the fitness of the Product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. Freedom under Patent, Copyright and Designs cannot be assumed.

**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](http://www.essecouk.com)