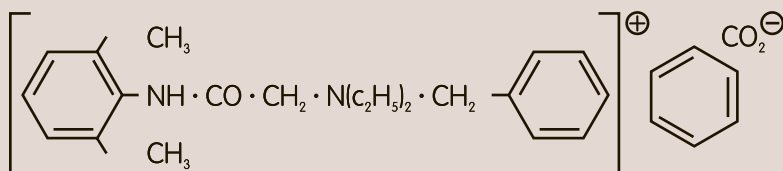


Technical information datasheet No6

Technical data



Chemical Names	A)	Benzyl-diethyl [(2,6-xylyl-carbamoyl)methyl] ammonium benzoate
	B)	N-[2-[2,6-dimethyl-phenyl]amino]-2-oxoethyl-N,N-diethylbenzenemethanaminium benzoate
	C)	Denatonium Benzoate

Trademark	:	Bitrex™
INCI Name	:	Denatonium Benzoate
EC Number	:	2230952
CAS Registry Number	:	3734-33-6
Molecular Formula	:	C ₂₈ H ₃₄ N ₂ O ₃
MITI Number (Japan)	:	3 - 2724

Specification

Appearance	:	White odourless granules
pH	:	6.5-7.5
Melting point	:	163-170°C
Chloride	:	0.2% max
Loss on drying	:	1.0% max
Assay	:	99.5-101.0%

Meets the standard of US NF for Denatonium Benzoate anhydrous.

Toxicology

Please refer to current Material Safety Data Sheets.

Solubility (g per 100ml) at 20°C

Acetone	:	1.40
Benzene	:	0.49
Butanol	:	20.80
Chloroform	:	33.00
Ethanol	:	33.50
Ether	:	0.015
Ethyl Acetate	:	0.25
Isopropanol	:	10.50
Methanol	:	69.00
Methyl Ethyl Ketone	:	1.15
Petroleum Distillates	:	0.0009
Toluene	:	0.114
Water	:	4.50
Xylene	:	0.028

Stability

- a) **Bitrex**
Depending on conditions **Bitrex** is generally considered to be heat stable at temperatures of up to 140°C.
- b) **Formulated Products**
Bitrex is stable in a wide range of products.

For further details please contact Macfarlan Smith or our authorised agent and distributor

Macfarlan Smith

A Johnson Matthey Company

Macfarlan Smith

Wheatfield Road, Edinburgh EH11 2QA

Scotland, UK.

Tel: +44 (0)131 337 2434 Fax: +44 (0)131 337 9813

Email: msl@macsmith.com web: www.bitrex.com