Technical Data Sheet

Item Name:

EDDHA-Na

PRODUCT INFORMATION

Chinese Name:	乙二胺二邻苯基乙酸钠
Commodity Name:	EDDHA-Na
Chemical Name:	EthyDiamineDhephen Acetic-Na
Other Name:	Sodium Ethylene Diamine Di-O-Phenylacetate
CAS No.:	16455-61-1
Molecular Weight:	378
Molecular Formula:	$C_{18}H_{16}N_2O_6Na$

PRODUCT DESCRIPTION

EDDHA-Na is a kind of efficient dispersant, embrace strong anionic charge. It's stable in chemical performace when under water conditions of heat, pressure and strong acid & alkali. It has good compatability with other components in the formula.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	Red-brown Liquid
Content by wt %	40 min
pH Value (1% solution)	6 - 8
Chelating Ca^{+}	179mg $CaCO_3$/g
Chelating Mg^{+}	150mg $MgCO_3$/g
Chelating Fe^{3+}	230mg Fe^{3+}/g
Chelating Mn^{2+}	102mg Mn^{2+}/g
Chelating Cu^{2+}	125mg Cu^{2+}/g
Chelating Zn^{2+}	138mg Zn^{2+}/g

MAIN APPLICATION

Used as anti-caking agent: a small amount of antisludging agent can make large scale deposits disperse in aqueous solution. EDDHA-Na destroy the growth of scale, and reduce the speed of scale subsidence. In this way, it reach the inhibition effect.

Used as chelating agent: The role of chelation is refers to that the chelating agent can generate stable water-soluble complexes with metal ions.

Used as dispersant: Dispersion effect makes the coalescence crystals and other particle becoming more difficult.

PACKING AND SHELF LIFE

Packing: Drum/Tank
Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

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