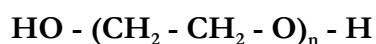


DESCRIPTION

POLIDAC[®]2000 is a polyoxyethylene glycol obtained by ethylene oxide hydration. POLIDAC[®]2000 is manufactured in our plant located at Terranova dei Passerini (Lodi, Italy).

Chemical structure is the following:



$$n = \sim 40$$

CAS registry no. 25322-68-3
EINECS no. not defined, polymer

CHEMICAL AND PHYSICAL PROPERTIES

<i>Property</i>	<i>Test Method</i>	<i>Unit</i>	<i>Typical Value</i>	<i>Specification¹</i>
* Appearance at 25°C	visual	-	flakes	flakes
* Viscosity (70°C)	MPL 1004.0	cSt	82	80-100
* Hydroxyl number	MPL 1010.0	mg KOH/g	61	51-63
* pH (5%)	MPL 1007.0	-	6.0	5.0-7.0
* Colour (50% w/w in water)	MPL 1002.0	APHA	40	≤ 50
Physical state change	MPL 1001.0	°C	53	51-57
Water (Karl-Fischer)	MPL 1006.0	% weight	0.20	≤ 0.50
Molecular weight	Calculated	g/mol	1840	1780-2200
Ashes	Calculated	% weight	0.10	≤ 0.20
Mass density at 70°C	MPL 1003.0	g/cm ³	1.08	-

MPL and RCM are Sasol Italy analytical methods which are available upon request

* values reported on inspection certificate.

¹ specification No. D004600 rev. 1 of June 1st, 2001.

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POLIDAC[®]2000

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MAIN APPLICATIONS

POLIDAC[®]2000 is suitable as plasticizer and wax lubricant. POLIDAC[®]2000 is also suitable as industrial formulation ingredient (textile, ceramic enamel, rubber pressing).

HANDLING AND STORAGE

POLIDAC[®]2000 should be stored in a cool location in sacks or containers made of plastic materials impermeable to atmospheric humidity.

It is a solid wax at room temperature.

POLIDAC[®]2000 is soluble in water.

Shelf life is 3 years since the production date.

SAFETY AND BIODEGRADABILITY

POLIDAC[®]2000 has not showed acute oral toxicity in a limit test (OECD 401); its LD₅₀ is higher than 4000 mg/kg.

POLIDAC[®]2000 is not classified as flammable substance.

It can be defined as readily biodegradable substance, according to the guidelines set in EEC Directive 92/69 and 93/21 and Italian law enacted on 28/4/97.

PACKAGING AND TRANSPORT

POLIDAC[®]2000 is generally supplied in 25 kg sacks.

POLIDAC[®]2000 is not classified as hazardous substance for transport by road (ADR), by rail (RID), by air (ICAO/IATA) and by ship (IMO/IMDG).

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