

EC 93/112

	LACTITOL MONOHYDRATE Food grade		Revision Date 02/01/2007 Ref. SD870/2007-01
1. IDENTIFICATION OF THE	Product name	$LACTY^{\textcircled{8}}-M/M200/MFP$	
SUBSTANCE / PREPARATION AND THE	Use of the substance	Food additive	
COMPANY / UNDERTAKING	Supplier	PURAC biochem Arkelsedijk 46	
	Televisor	NL-4206 AC Gorinchem The Netherlands	
	Telephone Fax	+31 183 695695 +31 183 695606	
	Emergency telephone	+31 183 695695	
2. COMPOSITION / INFORMATION ON	Chemical name of the substance	4-O-(ß-galactosyl)-D-glucito	ı
INGREDIENTS	Synonyms	Lactitol D-Glucitol, 4-O-Beta-galacto	pyranosyl,
	EC-No. 209-566-5	CAS-No. 585-86-4	
	Hazardous impurities	None.	
3. HAZARDS IDENTIFICATION	Most important hazards Health injuries are not known or expected under normal use. No special environmental precautions required.		
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contained herein shall be construed as a recommendation to use any products in conflict			



EC 93/112

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4. FIRST AID MEASURES	General advice Immediate medical attention is not required. Show this safety data sheet to the doctor in attendance.	
	Inhalation Drink water.	
	Skin contact Rinse with water.	
	Eye contact Rinse thoroughly with plenty of water, also under the eyelids.	
	Ingestion Drink 1 or 2 glasses of water.	
_	Protection of first-aiders No hazards which require special first aid measures.	
5. FIRE-FIGHTING MEASURES	Suitable extinguishing media Water.	
	Extinguishing media which must not be used for safety r None.	easons
	Specific hazards None.	
	Special protective equipment for firefighters None.	
	Specific methods Standard procedure for chemical fires.	
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6. ACCIDENTAL RELEASE MEASURES	Personal precautions General industrial hygiene practice. Environmental precautions Prevent further leakage or spillage. No special environmental precautions required. Methods for cleaning up Flush with water.	
7. HANDLING AND STORAGE	Handling Technical measures/Precautions No special technical protective measures required. Safe handling advice Handle in accordance with good industrial hygiene and safety pra Storage Technical measures/Storage conditions Keep in a dry place. Keep container tightly closed. Store at room t	
8. EXPOSURE CONTROLS / PERSONAL PROTECTION	 Engineering measures to reduce exposure Ensure adequate ventilation, especially in confined areas. Control parameters None. Personal protection equipment No special protective equipment required. Hygiene measures Handle in accordance with good industrial hygiene and safety practice 	actice.
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EC 93/112

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9. PHYSICAL AND CHEMICAL PROPERTIES	Form	crystalline	
	Colour	white / light brown	
	Odour	none	
	рН	4.5 - 7.0 (10% aqueous solution)	
	Melting point/range	208-216° F (98 -102°C) (DSC)	
	Decomposition temperature	no data available	
	Flash point	> 212° F (100°C) (closed cup)	
	# Explosion limits	explosion class S1	
	Bulk density	0.6-0.8 kg/dm ³	
	Solubility	Water solubility: 150-160g/100g @77° F (25°C)	
10. STABILITY AND REACTIVITY	Stability Stable at normal conditions. Hazardous polymerization does not occur. Materials to avoid None. Hazardous decomposition products Carbon oxides.		
11. TOXICOLOGICAL INFORMATION	Acute toxicity LD50/oral/rat > 10g/kg. A two-year oral feeding study (10%) on mice showed neither carcinogenic nor toxic effects. Further information Tests on bacterial or mammalian cell cultures did not show mutagenic effects.		
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12. ECOLOGICAL INFORMATION	Mobility Soluble.	degradable, according to appropriate OECD test. al oxygen demand within 5 days (BOD5) =550 mg/g.		
	Persistence / degradability Readily biodegradable, according to appropriate OECD test. Biochemical oxygen demand within 5 days (BOD5) =550 mg/g. Chemical oxygen demand (COD) = 955 mg/g.			
	Bioaccumulation Unlikely.			
	Ecotoxicity None (Poeceilia Reticulata, Daphnia). Ecological injuries are not kn under normal use.	lia Reticulata, Daphnia). Ecological injuries are not known or expected use.		
13. DISPOSAL CONSIDERATIONS	Waste from residues / unused products Can be disposed as waste water, when in compliance with local regulations. Can be landfilled or incinerated, when in compliance with local regulations.			
	Contaminated packaging Clean container with water. Empty containers should be taken for local recycling, recovery or	waste disposal.		
14. TRANSPORT INFORMATION	Not classified as dangerous in the meaning of transport regulations.			
15. REGULATORY INFORMATION	The product does not need to be labelled in accordance with EC directives or respective national laws.			
_	EEC Food additive: E 966.			
16. OTHER INFORMATION	product(s) or in any process. The information is to our best prese complete and is given in good faith but without warranty. It remain	nation only concerns the above mentioned product and is not valid if used with other or in any process. The information is to our best present knowledge correct and and is given in good faith but without warranty. It remains the user's own responsibility ure that the information is appropriate and complete for his special use of this product.		
	# Indicates updated section.			
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