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SAFETY DATA SHEET

REF : L20-005P

December 02 - P 1/3

PRODUCT : GLUCONIC ACID TECHNICAL 50/50

acc 91/155/CEE and its amendments

101. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

101.1 Chemical product name..... : GLUCONIC ACID TECHNICAL 50/50

102. COMPOSITION/INFORMATION ON INGREDIENTS:

102.1 Substance..... : yes
102.2 Common chemical name..... : gluconic acid
102.3 CAS number..... : 526-95-4
102.4 N° EINECS..... : 208-401-4
102.5 Other information..... : aqueous solution

103. HAZARDS IDENTIFICATION:

103.1 Most important hazards..... : irritating to eyes
non corrosive to skin, slightly irritating
in case of prolonged exposure
103.2 Specific hazards..... : corrosive for certain packaging
103.3 Other information..... : CHIP regulation IRRITANT

104. FIRST-AID MEASURES:

104.1 Eye contact..... : irrigate with plenty of water (or sodium
bicarbonate) for at least 15 mn ; seek
medical attention if necessary
104.2 Skin contact..... : wash carefully with water and soap
104.3 Ingestion..... : rinse mouth with water and drink several
glasses of water to dilute
seek medical attention
104.4 Other information..... : take off contaminated clothing

105. FIRE-FIGHTING MEASURES:

105.1 Extinguishing media..... : water, foam, carbon dioxide CO2, dry powder

106. ACCIDENTAL RELEASE MEASURES:

106.1 Personal precautions..... : follow recommendations for protection § 8
106.2 Environmental precautions..... : neutralize with a diluted alkaline solution
106.3 Methods for cleaning up..... : absorb onto inert material, and wash soiled
area with plenty of water
to eliminate residues, see § 13

107. HANDLING AND STORAGE:

107.1 Handling
Technical measures..... : follow recommendations for personal
protection § 8
Precautions..... : do not mix rapidly with large amounts of
concentrated alkalis solutions : exothermic

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	reaction
!07.2 Storage	
! Storage conditions.....	: store at 20° C to prevent crystallization
! Incompatible products.....	: concentrated alkalis
! Packaging materials.....	: avoid non acid-proof materials
!	
!08. EXPOSURE CONTROLS/PERSONAL PROTECTION:	
!08.1 Personal protective equipment	
! Eye protection.....	: safety goggles or glasses
! Hand protection.....	: acid-proof gloves
! Skin and body protection.....	: appropriate clothing to prevent skin contact
!	
!08.2 Hygiene measures.....	: wash hands after handling
!	
!09. PHYSICAL AND CHEMICAL PROPERTIES:	
!09.1 Physical state.....	: aqueous solution at 50 %
! Colour.....	: colourless to yellowish
! Odour.....	: slightly acid
!09.2 pH (concentration).....	: 2.0 - 3.0 at 50 %
!09.3 Boiling temperature.....	: > 100° C
! Flashpoint.....	: not applicable
!09.4 Explosion properties.....	: not applicable
!09.5 Vapour pressure.....	: 23 hPa at 20°C (water)
!09.6 Density.....	: 1.25 kg/l
!09.7 Solubility.....	: miscible with water
!09.8 Other data.....	: pK = 3.7
!	
!10. STABILITY AND REACTIVITY:	
!10.1 Stability.....	: stable with respect to storage conditions § 7!
!10.2 Hazardous reactions.....	: exothermic reaction with concentrated alkalis!
!10.3 Conditions to avoid.....	: potential crystallization at temperatures below 20° C
!10.4 Materials to avoid.....	: concentrated alkalis
!10.5 Hazardous decomposition products..	: typical decomposition products : Carbon monoxide and dioxide, water, oxygen
!	
!11. TOXICOLOGICAL INFORMATION:	
!11.1 Acute toxicity.....	: LD50 non available
!11.2 Local effects.....	: eye irritation in rabbits : irritant
!	
!12. ECOLOGICAL INFORMATION:	
!12.1 Persistence/Degradability.....	: after neutralization, biodegradable product COD : 900 mg/g (dry) BOD5: 350 mg/g (dry)
!12.2 Ecotoxicity.....	: LC50 non available
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!	
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13. DISPOSAL CONSIDERATIONS:

13.1 Waste from residues..... : can be eliminated as a solid waste (common industrial waste) or incinerated in approved treatment plant conforming with applicable regulations and legislation

14. TRANSPORT INFORMATION:

14.1 International regulations..... : not applicable

14.2 UN number..... : none

	RID/ADR	RTMDR	IMDG	IATA/OACI
Class.....	n a	n a	n a	n a
Group, number or page.....				
Labelling.....				
Danger code.....				
Product code.....				

15. REGULATORY INFORMATION:

15.1 Labelling according to EEC

standards..... : yes

Hazard symbol..... : Xi - Irritant

Special risks R..... :

R36 : irritating to eyes

Safety advices S..... :

S26 : in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

16. OTHER INFORMATION:

Note :

This bulletin completes the Technical Directions for use but is not a substitute for them.

Attention is drawn to the risks encountered when the product is used in applications other than those for which intended.

It is the responsibility of the user to be aware of and to follow the regulations applying to our product for its possession, handling and use.

All information and instructions provided in this Safety Data Sheet (SDS) is made with no warranty ; they are based on the current state of our knowledge at the latest revision date indicated on the present SDS.

* Updating :

The modified texts of the former versions are marked with an asterisk (*).