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## MATERIAL SAFETY DATA SHEET (MSDS)

## SECTION 1: Product identifiers

Product Name : Dextrose, anhydrous, 99.5% Product Code: D 1322 CAS-No.: 50-99-7

1.2. Relevant identified uses of the substance or mixture and uses advised against Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet
Company identification
OTTO CHEMIE PVT LTD
101, Aarkay Ruby Industrial Estate(1B), Opp Shree Narayan Industrial Estate,
Chinchpada, Vasai East, Waliv, Maharashtra 401208.
Email info@ottokemi.com

1.4. Emergency telephone number Phone no. : + 91 22 2207 0099 (9:00am - 6:00 pm)

## **SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
2.2 Label elements
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
2.3 Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## **SECTION 3: Composition/information on ingredients**

3.1 Substances Synonyms : D-(+)-Glucose Dextrose Formula : C6H12O6 Molecular weight : 180,16 g/mol CAS-No. : 50-99-7 EC-No. : 200-075-1 No components need to be disclosed according to the applicable regulations.

### **SECTION 4: First aid measures**

4.1 Description of first-aid measures If inhaled After inhalation: fresh air. In case of skin contact In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. In case of eye contact After eye contact: rinse out with plenty of water. Remove contact lenses. If swallowed After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell. 4.2 Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 4.3 Indication of any immediate medical attention and special treatment needed No data available

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## **SECTION 5: Firefighting measures**

5.1 Extinguishing media
Suitable extinguishing media
Water Foam Carbon dioxide (CO2) Dry powder
Unsuitable extinguishing media
For this substance/mixture no limitations of extinguishing agents are given.
5.2 Special hazards arising from the substance or mixture
Carbon oxides
Combustible.
Development of hazardous combustion gases or vapours possible in the event of fire.
5.3 Advice for firefighters
In the event of fire, wear self-contained breathing apparatus.
5.4 Further information
Prevent fire extinguishing water from contaminating surface water or the ground water system.

### **SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures
Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.
For personal protection see section 8.
6.2 Environmental precautions
Do not let product enter drains.
6.3 Methods and materials for containment and cleaning up
Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions
(see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
6.4 Reference to other sections
For disposal see section 13.

## For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities Tightly closed. Dry.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## SECTION 8: Exposure controls/personal protection

8.1 Control parameters Ingredients with workplace control parameters 8.2 Exposure controls Appropriate engineering controls Change contaminated clothing. Wash hands after working with substance. Personal protective equipment Eye/face protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses Skin protection This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Full contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other

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substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Splash contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L Respiratory protection required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Control of environmental exposure Do not let product enter drains.

Color: colorless

Not applicable

No data available

No data available ca.470 g/l at 20 °C

No data available

Melting point/range: 150 - 152 °C

log Pow: -3,24 - (Lit.), Bioaccumulation is not expected.

odorless

## SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties a) Appearance Form: Crystalline powder

a) Appearance Form: b) Odor c) Odor Threshold d) pH e) Melting point/freezing point f) Initial boiling point and boiling range g) Flash point h) Evaporation rate i) Flammability (solid, gas) j) Upper/lower flammability or explosive limits k) Vapor pressure I) Vapor density m) Relative density n) Water solubility o) Partition coefficient: n-octanol/water p) Autoignition temperature q) Decomposition temperature r) Viscosity s) Explosive properties t) Oxidizing properties 9.2 Other safety information No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed. 10.2 Chemical stability The product is chemically stable under standard ambient conditions (room temperature) . 10.3 Possibility of hazardous reactions No data available 10.4 Conditions to avoid no information available

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10.5 Incompatible materials No data available 10.6 Hazardous decomposition product Hazardous decomposition products for Other decomposition products - No dat In the event of fire: see section 5	med under fire conditions Carbon oxide	es
Oral LD50 Rat: 1500 mg/kg; Dermal LE Inhalation LC50 Rat: > 50mg/L. Chronic Effects on Humans: CARCINO	s b. Dermal contact. Eye contact. Toxicity t 550 Rabbit: 2000mg/kg GENIC EFFECTS: Classified None. by t dous in case of skin contact (irritant), of i Humans: Not available.	NTP, None. by OSHA, None. by NIOSH.
	nent nponents considered to be either persist y persistent and very bioaccumulative (v	
SECTION 13: Disposal considerations 13.1 Waste treatment methods Product See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.		
SECTION 14: Transport information 14.1 UN number ADR/RID: - 14.2 UN proper shipping name ADR/RID: Not dangerous goo IMDG: Not dangerous goo IATA: Not dangerous goo 14.3 Transport hazard class(es)	ods	IATA: -
ADR/RID: -	IMDG: -	IATA: -
14.4 Packaging group ADR/RID: -	IMDG: -	IATA: -
<ul><li>14.5 Environmental hazards</li><li>ADR/RID: no</li><li>14.6 Special precautions for user</li><li>No data available</li></ul>	IMDG Marine pollutant: no	IATA: no
SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the		

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

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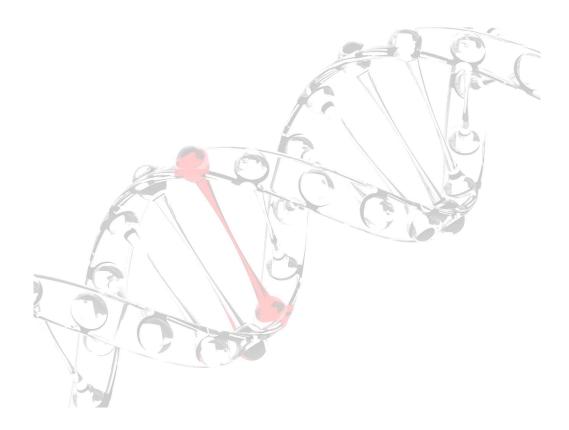
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15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## Section 16: Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.



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