Safety Data Sheet	Safety Data Sheet	Page 2/8
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1 Identification	Trade name: Suspect 2 DNA, Lyophilized	
Product identifier		(Contd. of page 1)
Trade name: <u>Suspect 2 DNA, Lyophilized</u>	Code letter and hazard designation of product:	
 Catalog or product number: 9703818, 10040684 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available Application of the substance of the mixture I shorten chemicale 	Xn Harmful	
Details of the supplier of the safety data sheet Manufacturer/Supplier:	· Hazard-determining components of labeling: Tris(hydroxymethy)aninomethane	
Bio-Rad Laboratories, Life Science Group 2000 Alfred Nobel Drive Hercules, California 94547	Risk phrases: 22 Hamful if swallowed. 28/18 Industria for a concord with	
 Information department: Technical services, customer support Isg_ techserv_us@bio-rad.com 	Safety phrases: 26 In case contact with eyes, rinse immediately with plenty of water and seek medical a 36/37 Wastra suitable protoching software and device	advice.
 Emergency telephone number: 1(800)424-9300 Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION or ACC/DENT. 510-741-1000 	60 This material and its container must be disposed of as hazardous waste. Additional information: Contact with acids may cause release of toxic gases Emergency overview: Routes of exposure:	
2Hazard(S) Identification	Skn Skn Other hazards · Results of PBT and vPvB assessment	
Skn Irrit. 22 H315 Causes skin kirrlaiton. Eye Irrit. 2A H319 Causes serious eye irritetion.	· PBT: Not applicable · vPvB: Not applicable	
 Classification according to Directive 67/548/EEC or Directive 1999/45/EC Initant to eyes. 	3 Composition/information on ingredients	
Initiant to solution Inflant to respiratory system and skin. Xr; Harmful	 Chemical characterization: Mixtures Description: Mixture of the substances listed below with non-hazardous additions. 	
R22: Harmful if swallowed. X; Irritant	Listing of dangerous and non-hazardous components: T7-86-1 Tris(hydroxymethyl)aminomethane	Xn R22 35-50%
R36/38: Initiating to eyes and skin. Information concerning particular hazards for human and environment:	7647-14-5 sodium chloride 7791-18-6 maonesium chloride hexahvdrate	XI R36/38 35-50% 5-10%
the EU' in the latest or or burnows out or the canonication processing of the Oriental Gassingation guideline for preparations of the EU' in the latest valid version. • Classification system:		Xn R20/21/22 1.0-2.5%
The crassification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data. The classification was made according to OSHA 29CFR 1910.1200 and 1910.1030, and is expanded upon from company and company and classification.	 Additional information For the wording of the listed risk phrases refer to section 15. 	
· Label elements	+ arst-out messates	
ding to EU guidelines: been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials (Cond. on page	Description of first aid measures General information Symptoms of polsoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.	ion for at least 48 hours after the
	 After inhalation in case of unconsciousness place patient stably in side position for transportation. After skin contact immediately wash with water and scep and rinse thoroughly. 	(Contd. on page
		usa -

Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the entry: workplace. Additional information: The lists that were valid during the creation were used as basis. Cont. on page 4) Evaporation rate Evaporation rate	į	Additional information about design of technical systems: No further data; see item 7. Lower: Lower: Upper: Upper:	8 Exposure controls/personal protection	s6i otny .	·A	 Specific and usefs) No further relevant information available Specific and usefs) No further relevant information available 	st specification	- Storage - Fianmability (solid, gaseous)	ons for safe storage, including any incompatibilities	ing No special precautions are necessary if used correctly. on against explosions and fires: No special measures required.		See Section 13 for disposal information. Odour threshold: Odour threshold:			Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13.	- Informat	6 Accidental release measures ' 9 Physical and chemical properties	Protective equipment: Wear self-contained respiratory protective device Safety glasses		am.			5 Fire-fightling measures Wash hands before breaks and at the end of work.		Indication of any immediate medical attention and special treatment needed No further relevant information available. General protective and hygienic mea	Personal	reral minutes under running water. If symptoms persist, consult a c	(Cont di page 2)	Trade name: Suspect 2 DNA, Lyophilized Trade name: Suspect 2 DNA, Lyophilized	Reviewed on 09/09/2014 Printing date .	acc. to OSHA HCS	Safety Data Sheet	
nor approve Not determined Not applicable Not applicable	Not applicable.	Not determined. Not determined.	Product does not present an explosion hazard	Product is not settigniting.	Product is not selfigniting.	Not determined.		Not determined.	Not applicable	undetermined undetermined	Not applicable.	Not determined.	Whitish	Solid		hemical properties	fies		une exact preak through time has to be round out by the manufacturer of the protective gloves and has to be observed. Eve protection:		č	×2	end of work.	: and reed. taminated clothing	asuras			والمحاوية وا	D.		acc. to OSHA HCS	Safety Data Sheet	CONTROLL

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(Comb. on page 6)	None of the ingredients is listed.	· OSHA-Ca (Occupational Safety & Health Administration)	None of the ingredients is listed.	· NTP (National Toxicology Program)	None of the ingredients is listed.	· Carcinogenic categories · JARC /International Annacy for Research on Cancel	Harmful Imitant	The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:	- Sensitization: No sensitizing effects known. - Additional toxicological information:	 Primary Irritant effect: on the skin: Irritant to skin and mucous membranes. on the even Irritant effect 	Oral LD50 5900 mg/kg (rat)	77-86-1 Tris(hydroxymethyl)aminomethane	· Acute toxicity:	- Information on toxicological effects	11 Toxicological information	 Hazardous decomposition products: No dangerous decomposition products known 	Conditions to avoid No further relevant information available.	 Inermal decomposition / conditions to de avoided: No decomposition il used according to specifications. Possibility of hazardous reactions No dangerous reactions known 	Chemical stability		10 Stability and reactivity		Solvent content: Organic solvents: O.0 % Other information No further relevant information available.	kinematic: Not applicable.		Partition coefficient (n-octanol/water): Not determined.	Vater: Miscionity Mitri Vater: Fully misciole	(Contd of page 4)	i lane unite: Suspect 7 mwh' r'Aobuinzed			acc. to OSHA HCS	Page 5/8	
		 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Special precautions for user	· Marine pollutant:	 Environmental hazards; 	· Packing group · DOT, ADR, IMDG, IATA	· DOT, ADR, ADN, IMDG, IATA · Class	· Transport hazard class(es)	UN proper shipping name DOT, ADR, ADN, IMDG, IATA	DOT, ADR, ADN, IMDG, IATA	In tanslott mortunation		Recommendation: Disposal must be made according to official regulations	· Uncleaned nackadings.	 Recommendation Hand over to hazardous waste disposers. Must not be disposed of together with househ 		13 Disposal considerations		· vPvB: Not applicable.	- Results of PB1 and vPvB assessment PBT: Not applicable	 General notes: Generally not hazardous for water 	Mobility in soil No further relevant information	 Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. 		* 12 Ecological Information		Skin.	Target organs:	Trade name: Suspect 2 DNA, Lyophilized			-		
		f MARPOL73/78 Not applicable.	Not applicable.	No		Void	Void		Void	Void			according to official regulations.		Recommendation Hand over to hazardous waste disposers. Must not be disposed of together with household garbage. Do not allow product to reach sewage system				ormation evaluatio		water.	n available.	tion available. levant information available. nt information available.							Ne		sec to OSHA HCS		
(Contd. on page 7) Use	(Pontel o		وواردتها فرحاره والمعارجة ومعتمدهم ومحتمد والمعامية والمعارية والم												9m.													(Contd. of page 5)		Reviewed on V3/V3/ZV14	incord on OD/O		Page 6/8	

		Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000 Date of preparation / last revision 10/23/2014 /- Abbreviations and acronyms: ADR: Accord européen sur le tansport des marchandises dangereuses par Route (Europeen Agreement concerning the International Carriage of Dangerous Goods by Road) MADG: International Card for Dangerous Goods DOT: US Department of Transportation (Contt. on page 6) USA
		 16 Other Information 16 Other Information 16 Other Information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Department issuing SDS: Environmental Health and Safety. Contact: Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741- 1000
		National regulations Water hazard class: Generally not hazardous for water. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.
		None of the ingredients is listed NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients is listed.
		Carcinogenic categories EPA (Environmental Protection Agency) None of the ingredients is listed. TLV (Threshold Limit Value established by ACGIH) None of the ingredients is listed. None of the ingredients is listed. MAK (German Maximum Value) of Concentration)
	· · · · · · · · · · · · · · · · · · ·	None of the ingredients is listed. • Section 313 (40CFR372.65): None of the ingredients is listed. • TSCA (Toxic Substances Control Act): 77-86-1 Trisfhydroxymethyl)aminomethane 7647-14-5 sodium chloride 27565-41-9 (R*, R*)-(1)-1.4-dimercaptobutane-2.3-diol
Li SA	ACGI+ Ametican Conference of Covernmental Industrial Hygienists ACGI+ Ametican Conference of Covernmental Industrial Hygienists ACGI+ Ametican Conference of Covernmental Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service division of the American Chemical Society) LCSD: Lehal concentration, 60 percent LDSD: Lehal concentration, 60 percent LDSD: Lehal concentration, 60 percent LDSD: Lehal concentration, Hazard Category 2 Skin Intr 2: Skin corrosionAltritation, Hazard Category 2 Eye Intl. 2A: Serious eye damagelye intration, Hazard Category 2 A * Data compared to the previous version altered.	Ital regulations/legislation specific for the substance or mixture and Reauthorization Act of 1986 - USA) 0 / 40CFR355.40):
(Contd. of page 7)	Trade name: Suspect 2 DNA, Lyophilized	Trade name: Suspect 2 DNA, Lyophilized (Cont. of page 6)
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