Safety Data Sheet acc. to OSHA HCS	Page 2/8
Printing date 10/23/2014	Reviewed on 09/10/2014
Trade name: Suspect 3 DNA, Lyophilized	
<ul> <li>Code letter and hazard designation of product:</li> </ul>	(Contd. of page 1)
Xn Harmful	
· Hazar Tris(h · Risk 22	
	dical advice.
Skin - Other hazards - Results of PBT and vPvB assessment - PBT. Not applicable.	
* 3 Composition/information on ingredients	
<ul> <li>Chemical characterization: Mixtures</li> <li>Description: Mixture of the substances listed below with non-hazardous additions.</li> </ul>	
Listing of dangerous and non-hazardous components: 77-86-1 Tris(hydroxymethy)aminomethane	Xn R22 35-50% Xi R36
	Xi R36/38 35-50% 5-10% Xn R20/21/22 1.0-2.5% 1.0-2.5%
· Descriptic · General in Symptoms accident.	". Invation for at least 48 hours after the
	ansportation. (Contd. on page 3)
C, FIRE, EXPLOSION of deline for preparations of rode upon from company inded upon from company	

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 workplace. Additional information: The lists that were valid during the creation were used as basis. (Contd. on page 4) USA	8 Exposure controls/personal protection Additional information about design of technical systems: No further data; see item 7. Control parameters	<ul> <li>Further information about storage conditions: Keep receptacle tightly sealed.</li> <li>Specific end use(s) No further relevant information available.</li> </ul>	<ul> <li>Conditions for safe storage, including any incompatibilities</li> <li>Storage</li> <li>Requirements to be met by storerooms and receptacles: According to product specification</li> <li>Information about storage in one common storage facility: Not required.</li> </ul>	<ul> <li>/ Handling and storage</li> <li>Precautions for safe handling No special precautions are necessary if used correctly.</li> <li>Information about protection against explosions and fires: No special measures required.</li> </ul>	<ul> <li>6 Accidental release measures</li> <li>e Personal precautions, protective equipment and emergency procedures Wear protective clothing.</li> <li>Environmental precautions: No special measures required.</li> <li>Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13.</li> <li>Reference to other sections</li> <li>See Section 7 for information on safe handling</li> <li>See Section 13 for disposal information.</li> </ul>	After symptoms period eya for several minutes under running water. If symptoms persist, consult a doctor.     After swallowing immediately call a doctor.     Most important symptoms and effects, both acute and delayed N0 further relevant information available.     Indication of any immediate medical attention and special treatment needed No further relevant information available.     Suitable actinguishing media     Suitable extinguishing agents     CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.     Special hazards arising from the substance or mixture No further relevant information available.     Protective equipment: Wear self-contained respiratory protective device.	Trade name: Suspect 3 DNA, Lyophilized (Cond. of ease 2)	Page 3/8 Safety Data Sheet acc. to OSHA HCS Reviewed on 09/10/2014	BIO FAD
· Vapor pressure: · Density: · Relative density · Vapour density · Evaporation rate	· Danger of explosion: · Explosion limits: Lower: Upper:	Decomposition temperature: Auto igniting:	- Flammability (solid, gaseous) - Ignition temperature:	• pH-value: • Change in condition Meting point/Meting range: Boiling point/Boiling range:	PPbySical and chemical properties     Information on basic physical and chemical properties     General Information     Appearance:     Form:     Form:     Form:     Odor:     Odor:     Odor:     Odor:     Not determined.     Not determined.	<ul> <li>Exposure controls</li> <li>Personal protective equipment</li> <li>General protective and hygienic measures Keep away from foodstuffs, beverages and feed. Immediately remove all solided and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.</li> <li>Protection of hands: Protective gloves.</li> <li>Material of gloves Synthetic gloves</li> <li>Penetration time of glove material The exact break through time has to be found out by the Safety glasses Tightly sealed goggles.</li> </ul>	Trade name: Suspect 3 DNA, Lyophilized	Printing date 10/23/2014	
Not applicable. Not determined Not determined. Not applicable. Not applicable.	Product does not present en explosion hazard. Not determined. Not determined.	Not determined. Product is not selfightling.	vot appirable Not determined.	Not applicable. undetermined undetermined	oerties od chemical properties Solid Whitsh Odorless Not determined.	Exposure controls Personal protective equipment Seneral protective and hygienic measures (sep away from foodstuffs, beverages and feed. (represent the productive glove and a the end of work. Wash hands before breaks and at the end of work. World contact with the eyes and skin. Protection of hands: Protective gloves. Protection of fands: Protective gloves. Penetration time of glove material Penetration time of glove material Penetration: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Safety glasses Tightly sealed goggles.	ized	Safety Data Sheet acc. to OSHA HCS	BIOFAD

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BIOTAD Safety Data Sheet	BIORAD Safaty Data Shoot	Page 8/8
Safety Data Sheet acc. to OSHA HCS Printing data 10/23/2014 Contract on 00/40/2014	acc. to OSHA HCS	
Trade name: Suspect 3 DNA, Lyophilized		
· UN "Model Regulation":	ATA: International Air Transport Association ATA: International Air Transport Association ATG14: A meaning for foregoing of Brucemanatal Industrial HavienIst	(Contd. of page 7)
15 Regulatory information	EINECS: European Inventory of Existing Commercial Chemical Substances ELINGS: European List of Mathematical Substances CAS: Chemical Asstracts Sorvice (discriming Substances) LCS0: Lethal concentration, 50 percent	
· Safety, health and environmental regulations/legislation specific for the substance or mixture · SARA (Superfund Amendents and Reauthorization Act of 1986 - USA)	Skin Init Z. Skin concession/miation, Hazard Cetegory 2 Skin Init Z. Skin concession and getwyle iritration, Hazard Category 2A Eye Init. 24: Serious eye demagetwyle iritration, Hazard Category 2A • * Dafa Compared to the previous version altered	
Section 302/304 (40CFR355.30 / 40CFR355.40);  None of the ingredients is listed.		
Vone of the increatents is listed.		
TSCA (Toxic Substances Control Act):     77-86-1 [Tris(hydroxymethy)]aminomethane		
7647-14-5 sodium chloride 27565-41-9 (R*,R*)-(±)-1,4-dimercaptobutane-2,3-diol		
Carcinogenic categories     EPA (Environmental Protection Agency)		
None of the ingredients is listed.		
<ul> <li>ILV (Inreshold Limit Value established by ACGIH) None of the ingredients is listed.</li> </ul>		
MAK (German Maximum Workplace Concentration)		
<ul> <li>NIOSH-Ca (National Institute for Occupational Safety and Health)</li> </ul>		
None of the ingredients is listed.		
· National regulations		
<ul> <li>Water hazard class: Generally not hazardous for water.</li> <li>Chemical safety assessment: A Chemical Safety Assessment has not been carried out.</li> </ul>		
16 Other Information This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not stabilish a legally valid contractual relationshin		
Department issuing SDS: Environmental Health and Safety.		
Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741- 1000	• 	
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 acronyme:		
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Derrigerous Goods by Road) IMDG: International Admittine Code for Dangerous Goods DOT: US Department of Transportation		·