

MATERIAL SAFETY DATA SHEET
 Product Codes MW163, MW163S, MW164

Item	Section	Details																
1	Product & Company	Product Name: Transtube® & Sigma™ Transtube® with Liquid Modified Stuart's Medium Product Codes: MW163, MW163S, MW164 Manufacturer: <i>Medical Wire & Equipment</i> <i>Corsham, Wiltshire, SN13 9RT, UK</i> <i>Tel: +44 1225 810361</i> Emergency Information: <i>Contact Medical Wire & Equipment</i> ☎ +44 1225 810361 or 📠 +441225 810153 📧 info@mwe.co.uk																
2	Hazards Identification	Hazard description <i>This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by European directive 1999/45/EC, the Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200, and the Canadian Workplace Hazardous Materials Information System (WHMIS).</i> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>NFPA ratings</th> <th>(scale 0-4)</th> <th>HMIS ratings</th> <th>(scale 0-4)</th> </tr> </thead> <tbody> <tr> <td style="background-color: #0070C0; color: white; text-align: center;">HEALTH</td> <td style="text-align: center;">0</td> <td style="background-color: #0070C0; color: white; text-align: center;">HEALTH</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FF0000; color: white; text-align: center;">FIRE</td> <td style="text-align: center;">0</td> <td style="background-color: #FF0000; color: white; text-align: center;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #FFFF00; text-align: center;">INSTABILITY</td> <td style="text-align: center;">0</td> <td style="background-color: #FFFF00; text-align: center;">PHYSICAL HAZARDS</td> <td style="text-align: center;">0</td> </tr> </tbody> </table> Information pertaining to particular dangers for man and environment <i>The product presents no hazards to man or the environment as calculated by the procedures of the EU directives (1999/45/EC and Amendments)</i>	NFPA ratings	(scale 0-4)	HMIS ratings	(scale 0-4)	HEALTH	0	HEALTH	0	FIRE	0	FLAMMABILITY	0	INSTABILITY	0	PHYSICAL HAZARDS	0
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3	Composition /Information on ingredients	Description: <i>Preparation. No dangerous components as defined by regulations.</i>																
4	First Aid Measures	General information: <i>No special measures required</i> After inhalation: <i>Supply fresh air; seek medical advice in case of complaints</i> After skin contact: <i>Immediately wash with water and soap and rinse thoroughly</i> After eye contact: <i>Rinse opened eye for several minutes under running water. If symptoms persist seek medical attention.</i> After swallowing: <i>If symptoms persist seek medical advice</i> Information for doctor: <i>Show product label or this Material Safety Data Sheet</i>																
5	Fire fighting measures	Suitable extinguishing agents: <i>CO2, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.</i> Exposure hazards: <i>No exposure hazards. No toxic gases.</i> Protective equipment: <i>No special measures required</i>																
6	Accidental release measures	Person-related safety precautions: <i>Not required</i> Measures for environmental protection: <i>Wipe up with damp sponge or cloth</i> Measures for cleaning/collecting: <i>No special measures required</i> Other information: <i>No dangerous substances released.</i>																
7	Handling & Storage	Handling Information for safe handling: <i>No special measures required</i> Information about protection against explosions and fires: <i>No special measures required</i> Storage Requirements to be met by storerooms and receptacles: <i>5 – 25°C</i> Information about storage in one common storage facility: <i>Store away from oxidising agents</i> Further information about storage conditions: <i>None</i>																

8	Exposure controls/Personal protection	<p>Additional information about design of technical systems: <i>No further data; see item 7</i></p> <p>Components with limit values that require monitoring at the workplace: <i>The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.</i></p> <p>Additional information: <i>The lists that were valid during manufacture were used as basis.</i></p> <p>General protective and hygienic measures: <i>Follow usual precautions for handling of chemicals</i></p> <p>Personal Protective Equipment Breathing equipment <i>Not required</i></p> <p>Protection of hands: <i>Chemical resistant gloves (e.g., nitrile or equivalent)</i> <i>The glove material has to be impermeable and resistant to the preparation. Due to missing tests no recommendation to the glove material can be given for the preparation mixture. Selection of the glove material should be based on consideration of the penetration times, rates of diffusion and degradation.</i></p> <p>Material of gloves <i>The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.</i></p> <p>Penetration time of glove material <i>The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</i></p> <p>Eye protection: <i>Safety glasses</i></p> <p>Body protection: <i>Protective work clothing (e.g. lab coat)</i></p>																															
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10	Stability & reactivity	<p>Thermal decomposition / conditions to be avoided: <i>No decomposition if used according to specification</i></p> <p>Dangerous reactions: <i>No dangerous reactions known</i></p> <p>Dangerous products of decomposition: <i>No dangerous decomposition products known</i></p>																															
11	Toxicological information	<p>Acute toxicity:</p> <p>Primary irritant effect: On the skin: <i>none</i> On the eye: <i>none</i></p> <p>Sensitisation: <i>No sensitising effects known</i></p> <p>Additional information: <i>When used and handled in accordance with specification, the product has no harmful effects according to the information available to us and to our experience with the product.</i> <i>The preparation is not subject to OSHA classification according to internally approved calculation methods for preparations, or classification according to the calculation procedures of the EU directives (1999/45/EC and Amendments)</i></p>																															

12	Ecological Information	<p>Ecotoxic effects: Other information: <i>The ecological effects have not been thoroughly investigated, but currently none have been identified.</i></p> <p>General notes: <i>Not known to be hazardous to water</i></p>																		
13	Disposal considerations	<p>Product: Recommendation <i>Must adhere to national and local regulations. Smaller quantities can be disposed of with solid waste. US: Disposal must be made according to federal (40 CFR 261.3), state and local requirements. This product is not considered a RCRA hazardous waste</i></p> <p>Uncleaned packagings: Recommendation: <i>Must adhere to national and local regulations.</i> Recommended cleansing agent: <i>water, if necessary with cleansing agents.</i></p>																		
14	Transport information	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">DOT regulations (US):</td> </tr> <tr> <td>Hazard class:</td> <td style="text-align: center;">*</td> </tr> <tr> <td>Land transport ADR/RID (cross-border)</td> <td style="text-align: center;">*</td> </tr> <tr> <td>ADR/RID class</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Maritime transport IMDG:</td> <td style="text-align: center;">*</td> </tr> <tr> <td>IMDG Class:</td> <td style="text-align: center;">*</td> </tr> <tr> <td>Marine pollutant</td> <td style="text-align: center;">No</td> </tr> <tr> <td>Air transport ICAO-TI and IATA-DGR</td> <td></td> </tr> <tr> <td>ICAO/IATA Class</td> <td style="text-align: center;">- *</td> </tr> </table> <p>* Non-regulated</p>	DOT regulations (US):		Hazard class:	*	Land transport ADR/RID (cross-border)	*	ADR/RID class	-	Maritime transport IMDG:	*	IMDG Class:	*	Marine pollutant	No	Air transport ICAO-TI and IATA-DGR		ICAO/IATA Class	- *
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15	Regulatory Information	<p>EU <i>Labelling according to European Medical Devices Directive 93/42/EEC and European In Vitro Diagnostic Medical Devices Directive 98/79/EC</i></p> <p>US: TSCA (Toxic Substances Control Act) <i>All ingredients listed.</i> California Proposition 65 CHEMICALS KNOWN TO THE STATE TO CAUSE CANCER OR REPRODUCTIVE TOXICITY <i>None of the ingredients is listed.</i> NTP (National Toxicology Program) Report on Carcinogens <i>None of the ingredients is listed.</i> TLV (Threshold Limit Value according to American Conference of Governmental Industrial Hygienists) <i>None of the ingredients is listed.</i></p> <p>Canada Canadian Substance Listing Canadian Domestic Substance List (DSL):<i>All ingredients listed</i> Canadian Ingredient Disclosure List (limit 0.1%):<i>No ingredients listed</i> Canadian Ingredient Disclosure List (limit 1%):<i>No ingredients listed</i></p> <p>International IARC (International Agency for Research on Cancer) <i>None of ingredients listed</i></p>																		
16	Other information	<p>To the best of our knowledge, the information contained herein is accurate. However, neither Medical Wire & Equipment nor any of its distributors assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</p>																		

References

This Material Safety Data Sheet has been prepared in accordance with the requirements of the following regulations

1. ISO 11014:2009 *Safety data sheet for chemical products*
2. European Directive 1907/2006/EC
3. For UK: *Statutory Instrument 2008 No. 2852 The REACH Enforcement Regulations 2008*
4. For US: *Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200*
5. For Canada: *Workplace Hazardous Information System*

Abbreviations

ADR: European Agreement concerning the International Carriage of Dangerous Goods By Road (1957, amended 1975)

HMIS: Hazardous Materials Identification System

IMDG: International Maritime Dangerous Goods Code

ICAO: International Civil Aviation Organisation

IATA: International Air Transport Association

NFPA: National Fire Protection Association

RID: *Reglement concernant le transport international ferroviaire des marchandises dangereuses*, concerns the international transport of goods by rail, and forms part of COTIF, the Convention concerning International Carriage by Rail (1990).