



Safety Data Sheet ETWN-SDS

Rev. Date: Dec. 1, 2016

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Tween[®] 20 (Polysorbate 20)

PRODUCT NAME:	Tween [®] 20 (Polysorbate 20)								
CATALOG #:	ETWN								
PRODUCT DESCRIPTION:	Laboratory reagent.								
COMPOSITION:	Polysorbate 20, CAS# 9005-64-5 May contain additional non-hazardous proprietary ingredients.								
PHYSICAL DATA:									
APPEARANCE / ODOR	Transparent, slightly yellow viscous liquid.								
SOLUBILITY IN WATER	Soluble.								
VAPOR DENSITY	N/A								
VAPOR PRESSURE	N/A								
EVAPORATION RATE	N/A								
MELTING POINT	N/A								
BOILING POINT	N/A								
FLASH POINT	Closed Cup: >148.89°C (300° F)								
AUTO-IGNITION POINT	N/A								
LOWER EXPLOSIVE LIMIT IN AIR	N/A								
UPPER EXPLOSIVE LIMIT IN AIR	N/A								
FIRE AND EXPLOSION HAZARD DATA:	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical. Wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) No unusual fire or explosion hazards expected.								
REACTIVITY DATA:									
STABILITY	Stable under normal temperatures and pressures.								
INCOMPATIBLE MATERIALS	Strong oxidizing agents.								
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon Monoxide, Carbon Dioxide.								
HAZARDOUS POLYMERIZATION	Not reported.								
HEALTH HAZARD DATA:									
ACUTE EFFECTS:	Eye Contact: May cause irritation and redness. Skin Contact: May irritate skin. Ingestion: May irritate gastrointestinal system. Inhalation: May irritate respiratory tract.								
CHRONIC EFFECTS:	Eye Contact: Unknown. Skin Contact: Unknown. Ingestion: Unknown. Inhalation: Unknown.								
FIRST AID:	Eye Contact: Immediately flush eyes with copious amounts of water and get immediate medical attention. Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops. Inhalation: Remove person to fresh air. Get medical attention if symptoms worsen. Ingestion: Get immediate medical attention.								
ADDITIONAL INFORMATION:									
HMIS HAZARD CODES:	<table border="1" style="width: 100%;"> <tr> <td style="background-color: #4a7ebb; color: white;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #ff0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #ffff00;">PHYSICAL HAZARD</td> <td style="text-align: center;">0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">B</td> </tr> </table>	HEALTH	1	FLAMMABILITY	1	PHYSICAL HAZARD	0	PERSONAL PROTECTION	B
HEALTH	1								
FLAMMABILITY	1								
PHYSICAL HAZARD	0								
PERSONAL PROTECTION	B								
SPILL OR LEAK PROCEDURES:	Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.								
WASTE DISPOSAL METHOD:	Observe all federal, state and local environmental regulations.								



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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Wear protective clothing. Avoid contact with skin and eyes. Wash thoroughly after handling. Irritant. Keep container tightly closed. Use in a chemical fume hood. Avoid breathing vapor.
ADDITIONAL COMMENTS:	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Teomics shall not be held liable for any damage resulting from handling or from contact with the above product.