

Tween[®] 20 (Polysorbate 20)

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|---|---|--|--------|---|--------------|---|-----------------|---|---------------------|---|
| PRODUCT NAME: | Tween [®] 20 (Polysorbate 20) | | | | | | | | | |
| CATALOG #: | TWN | | | | | | | | | |
| 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"> <tr> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>1</td> </tr> <tr> <td>PHYSICAL HAZARD</td> <td>0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td>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. | | | | | | | | | |

Material Safety Data Sheet
TWN-MSDS

Rev. Date: March 3, 2011

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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. ScyTek Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product. |