UNISOURCE WORLDWIDE, INC. 133 PEACHTREE ST NE ATLANTA, GA 30303 Call nearest Sales Office for MSDS Information 1-800-864-7687 EMERGENCY NO. 1-888-660-6737 EPA Reg. # 6836-70-63131 _____ SECTION 1. IDENTIFICATION OF PRODUCT _____ Product Name: QUAT GUARD Date Issued: 09/28/01 Supersedes: 05/17/99 Unisource Item #: U17696, U17697, U17698 _____ SECTION 2. INGREDIENTS CAS NUMBER PERCENT EXPOSURE LIMITS IN AIR OSHA PEL ACGIH TLV _____ ACTIVE INGREDIENTS: **OCTYL DECYL DIMETHYL 6824-95-3 2.25 N/E N/E AMMONIYM CHLORIDE **DIOCTYL DIMETHYL 5538-94-3 0.90 N/E N/E AMMONIYM CHLORIDE **DIDECYL DIMETHYL 7173-51-5 1.35 N/E N/E AMMONIUM CHLORIDE **ALKYL DIMETHL BENZYL 68424-85-1 3.00 N/E N/E *THESE MATERIALS ARE SUBJECT TO THE REPORTING REQUIREMENTS UNDER SARA TITLE III, SECTION 33 AND 40 CFR PART 372. **THESE MATERIALS MUST HAVE APPROPRIATE FEDERAL AND STATE EPA REGISTRATIONS PRIOR TO SALE AND DISTRIBUTION. N/A = Not Applicable N/D = Not Determined N/E = Not Established_____ SECTION 3. PHYSICAL DATA _____ Specific Gravity (Water = 1): 1.01 Percent Volatile (By Volume): 92.5 Boiling Point (F): 212 Vapor Pressure (mm Hq.): <18 Vapor Density (Air = 1): N/A Evaporation Rate (Water = 1): 1 pH Range: 6.0 - 9.0 Solubility in Water: SOLUBLE Appearance and Odor: CLEAR COLORLESS/SWEET SCENT _____ Section 4. FIRE AND EXPLOSION HAZARD DATA _____ Flash Point (Test Method): NON-FLAMMABLE Flammable: NON-FLAMMABLE Auto-Ignition Temp.: LEL = N/A UEL = N/AExtinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG Special Fire Fighting Procedures: NORMAL FIRE FIGHTING PROCEDURES MAY BE USED. COOL AND USE CAUTION WHEN APPROACHING OR HANDLING FIRE-EXPOSED CONTAINERS.

Unusual Fire and Explosion Hazards: CONTAINERS MAY BURST IN HEAT.

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Date Issued: 09/28/01 Supersedes: 05/17/99 Unisource Item #: U17696, U17697, U17698 _____ SECTION 5. REACTIVITY DATA _____ Stability: STABLE Hazardous Polymerization: WILL NOT OCCUR Conditions to Avoid: NONE KNOWN TO UNISOURCE Materials to Avoid: ANIONIC DETERGENTS. DO NOT MIX WITH OTHER CHEMICALS. Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY PRODUCE TOXIC FUMES. MAY CONSIST OF CO, CO2, HC1, SMALL AMOUNTS OF PHOSGENE, CHLORINE AND ORGANIC VAPORS OF UNKNOWN COMPOSITION. _____ SECTION 6. SPILL, LEAK AND DISPOSAL PROCEDURES _____ Small Spills: (For Liquid Concentrate) RINSE AREA THOROUGHLY WITH WATER. Large Spills: (For Liquid Concentrate) WEAR APPROPRIATE PROTECTIVE CLOTHING/ EQUIPMENT. DIKE AREA TO CONTAIN SPILL. CLEAN UP USING ABSORBENT MATERIAL. PLACE ALL CONTAMINATED MATERIAL IN A CLOSED CONTAINER FOR DISPOSAL. Disposal: UNDILUTED (Liquid Concentrate) PRODUCT RECOVERED FROM SPILLS MAY BE SENT TO LICENSED DISPOSAL FACILITY TO BE DISPOSED OF IN ACCORDANCE WITH FEDERAL/STATE REGULATIONS AND LOCAL ORDINANCES. Container Disposal: TRIPLE RINSE EMPTY CONTAINER THOROUGHLY WITH WATER AND DISCARD IN REGULAR TRASH COLLECTION IF ALLOWED BY LOCAL, STATE AND FEDERAL REGULATIONS IF NOT RECYCLED. DO NOT FLUSH TO SEWER. _____ SECTION 7. HEALTH HAZARD DATA _____ Primary Route(s) of Entry: EYES, SKIN, INGESTION, INHALATION. Symptoms of Overexposure: Eye Contact: EYE IRRITANT. IF NOT PROMPTLY TREATED, EYE DAMAGE MAY RESULT. Skin Contact: SKIN IRRITATION. IRRITATION CAN OCCUR FROM CONTACT WITH CONCENTRATED PRODUCT OR FROM PROLONGED CONTACT. MILD IRRITATION DUE TO DEFATTING OF SKIN. Inhalation: EXCESSIVE INHALATION OF MISTS CAN BE HARMFUL AND MAY CAUSE HEADACHE, DIZZINESS, ASPHYXIA, ANESTHETIC EFFECTS AND POSSIBLE UNCONSCIOUSNESS. Ingestion: HARMFUL IF SWALLOWED. POSSIBLE CHEMICAL PNEUMONITIS IF ASPIRATED INTO LUNGS; NAUSEA. MAY CAUSE STOMACH PAIN/CRAMPS, VOMITING AND NAUSEA. LD50 NOT ESTABLISHED. AVOID CONTAMINATION OF FOOD. Chronic Health Hazards: NONE KNOWN TO UNISOURCE _____ SECTION 8. EMERGENCY AND FIRST AID PROCEDURES Eye Contact: IMMEDIATELY FLUSH THE EYE WITH LARGE QUANTITIES OF RUNNING WATER FOR A MINIMUM OF 15 MINUTES. HOLD THE EYELIDS APART DURING THE IRRIGATION TO ENSURE FLUSHING OF THE ENTIRE SURFACE OF THE EYE LID WITH WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. Skin Contact: FLUSH THE EFFECTED AREA WITH LARGE QUANTITIES OF RUNNING WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. Inhalation: REMOVE FROM CONTAMINATED AREA. IF SYMPTOMS OF RESPIRATORY DISCOMFORT PERSISTS, GET MEDICAL ATTENTION. Ingestion: REQUIRES IMMEDIATE MEDICAL MANAGEMENT. DRINK MILK OR WATER AND GET MEDICAL ADVICE. VOMITING SHOULD BE INDUCED ONLY ON RECOMMENDATION OF MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Product Name: QUAT GUARD Date Issued: 09/28/01 Supersedes: 05/17/99 Unisource Item #: U17696, U17697, U17698 _____ SECTION 9. SPECIAL PROTECTION INFORMATION _____ Respiratory Protection: AVOID EXPOSURE TO SPRAY OR MIST. WHERE REQUIRED (IN THE ABSENCE OF APPROPRIATE VENTILATION). USE NIOSH APPROVED ORGANIC VAPOR RESPIRATOR. Ventilation: ROOM VENTILATION MUST BE ADEQUATE TO MAINTAIN VAPOR CONCENTRATION BELOW TLV. Protection Gloves: NEOPRENE (RUBBER) GLOVES RECOMMENDED. Eye Protection: CHEMICAL GOGGLES/EYE PROTECTION. Other Measures: APPROPRIATE PROTECTIVE EQUIPMENT WHEN GROSS EYE/SKIN CONTACT MAY OCCUR. AVOID FOOD CONTAMINATION. WASH WITH SOAP AND WATER AFTER USE/APPLICATION. EYEWASH ACCESSIBILITY RECOMMENDED. _____ SECTION 10. ADDITIONAL PRECAUTIONS _____ Handling and Storage: STORE IN A COOL, DRY PLACE. FOLLOW LABEL DIRECTIONS. KEEP OUT OF REACH OF CHILDREN. DO NOT STORE ON SIDE. AVOID CREASING OR IMPACTING SIDE WALLS CONTAINER. SARA TITLE III H&P RATINGS: Acute, YES Chronic, NO Fire, NO Press. Release, NO Reactive, NO HMIS RATING: HEALTH-3 FIRE -1 REACTIVITY -0 PROTECTION -B NFPA RATING: HEALTH-3 FIRE -1 REACTIVITY -0 SPECIFIC -0 _____ SECTION 11. REGULATORY (OPTIONAL) _____ HM-181 Proper Shipping Name (DOT) Compounds, cleaning liquid HM-181 Description (DOT): (Contains Alkyl dimethyl benzyl ammonium chloride)8 Proper Shipping Name Code: UN Number: NA1760 PG#: III VOC Content: Theoretical = 1.57 lb/gal Typical Analytical = N/A lbs/gal. Phosphorous: % Concentrate = NONE Dilution Range: N/A - N/A gms./gal. _____ OTHER INFORMATION IMPORTANT: THE INFORMATION AND DATA HEREIN ARE BELIEVED TO BE ACCURATE AND HAVE BEEN COMPILED FROM SOURCES BELIEVED TO BE RELIABLE. IT IS OFFERED FOR YOUR CONSIDERATION, INVESTIGATION AND VERIFICATION. BUYER ASSUMES ALL RISK OF USE, STORAGE AND HANDLING OF THE PRODUCT IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. GEORGIA-PACIFIC AND ITS SUBSIDIARIES MAKE NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING THE ACCURACY OR COMPLETENESS OF THE INFORMATION AND DATA HEREIN. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSES ARE SPECIFICALLY EXCLUDED. GEORGIA-PACIFIC AND ITS SUBSIDIARIES WILL NOT BE LIABLE FOR CLAIMS RELATING TO ANY PARTY'S USE OF OR RELIANCE ON INFORMATION AND DATA CONTAINED HEREIN REGARDLESS OF WHETHER IT IS CLAIMED THAT THE INFORMATION AND DATA ARE INACCURATE, INCOMPLETE OR OTHERWISE MISLEADING. _____