MATERIAL SAFETY DATA SHEET
CITRON (TUBES) / 2178
JULY 2008
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Complies With USDL Safety and Health Regulations. (29 CFR 1910.200)

SECTION 1 – Chemical and Company Identification

CHEMICAL FAMILY: Waterless Hand Cleaner Gel

SECTION 2 – Composition on Ingredients

COMPONENTS (Chemical Identity, Common Name(s)) CAS No. OSHA ACGIH- PEL TLV RECOMMENDED % (Opt.)
Water 7732-18-5 None None 30-60%
Isopropyl Alcohol 67-63-0 None None 5-10%
Carbon Tetrachloride 75-87-0 None None 5-10%
Ethanol 64-17-5 None None 30 ppm (Manu.)

SECTION 3 – Hazards Information

ROUTE(S) OF ENTRY: EYES? YES INHALATION? NO SKIN? NO INGESTION? YES
ACUTE HEALTH HAZARDS: Caution: May cause eye or skin irritation. May be harmful if swallowed. Ingestion may irritate gastrointestinal tract or cause central nervous system effects.
CHRONIC HEALTH HAZARDS: None known
CARCINOGENICITY: OSHA: NO ACGIH: NO NTP: NO IARC: NO

SIGNs AND SYMPTOMS OF EXPOSURE: Redness, tearing, burning in eyes. Redness, burning, drying or cracking of skin. Irritation of throat or stomach, followed by diarrhea. Drowsiness, dizziness, loss of coordination.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing skin disorders (i.e.-dermatitis).

SECTION 4 – First Aid Measures

EYES: Flush with plenty of water for at least 15 minutes lifting eyelids to insure complete removal. If irritation develops, see a physician immediately.
SKIN: Wipe off or rinse off with water. If irritation develops or persists, see a physician.
INHALATION: Get to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration.
INGESTION: Rinse out mouth. Drink plenty of water. Do not induce vomiting unless directed to do so by a physician. Call a physician or poison control center immediately.

SECTION 5 – Fire Fighting Measures

FLASH POINT (METHOD USED): 195° F (PMCC)
FLAMMABLE LIMITS: No Data LEL: No Data UEL: No Data
EXTINGUISHING MEDIA: Not usually necessary as this product does not readily support combustion. Use carbon dioxide, dry chemical, foam or water fog if required.
SPECIAL FIRE FIGHTING PROCEDURES: Prevent runoff from entering sewers and public waterways. Wear SCBA in chemical fires.
HAZARDOUS PRODUCTS OF COMBUSTION: Carbon dioxide and monoxide, hydrogen bromide, nitrous oxides, and ammoniacal compounds.

SECTION 6 – Accidental Release Measures

SMALL SPILL: Wipe up small releases with a dry absorbent cloth or other absorbent material.
LARGE SPILL: Absorb liquid with vermiculite, absorbent cloth, or other absorbent material. Prevent runoff from entering sewers or drains. Ventilate area and block traffic. Transfer contaminated material into suitable container for proper disposal.

SECTION 7 – Handling and Storage

HANDLING: Avoid contact with eyes. Do not swallow. Wash or wipe skin after use. Keep from freezing. Store in a cool, dry location. Follow label directions carefully.
STORAGE: Keep out of reach of children. Keep container tightly sealed when not in use. Replace lid when not in use or use follow-plate. Do not contaminate water, food, or feed by use or storage.

SECTION 8 – Exposure Controls/Personal Protection

EYE PROTECTION: Not usually necessary. Only if splattering is possible.
SKIN PROTECTION: Not necessary
RESPIRATORY PROTECTIONS: Not usually necessary. Use with adequate ventilation. Use NIOSH/MSHA approved respirator if PELs or TLVs are exceeded.
ENGINEERING CONTROLS: Ventilation not usually necessary but should be provided in the event of overexposure.

SECTION 9 – Physical and Chemical Properties

APPEARANCE/ODOR: Opaque light yellow gel with a citrus scent.
PHYSICAL STATE: Gel
pH: 7.5 ± 1.0 SPECIFIC GRAVITY (70°F): 0.857
BOILING POINT (Concentrate): > 212°F MELTING POINT: No Data
EVAPORATION RATE (Butyl Acetate = 1): No Data
VAPOR PRESSURE (psig @ 70°F): No Data VAPOUR DENSITY (AIR=1): No Data
SOLUBILITY IN WATER: Dispersible VOLATILE ORGANIC COMPOUNDS (VOCs): 68.32 grams per liter or 7.97% by weight VOC’s.
SECTION 10 – Stability and Reactivity

HAZARDOUS POLYMERIZATION: This product will not undergo hazardous polymerization.

HAZARDOUS DECOMPOSITION/BY-PRODUCTS: Carbon dioxide and monoxide, hydrogen bromide, nitrous oxides, and ammoniacal compounds.

CHEMICAL STABILITY: Stable

INCOMPATIBILITY (Materials to Avoid): Strong acids, bases, oxidizers, and selected amines.

SECTION 15 – Regulatory Information

US Federal Regulations:
- TSCA (Toxic Substances Control Act) Status: All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.
- CERCLA RQ – 40 CFR 302.4 (a): None Listed
- SARA 313 Components – 40 CFR 372.65: Diethanolamine (CAS 111-42-2) – 0.3%

State and Local Regulations:
- California Proposition 65
  - None

SECTION 16 – Other Information

WARNING! The use of this product is beyond the control of the manufacturer; therefore, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The user must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials. The manufacturer warrants only that this product meets the manufacturer's specifications for such product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, OR ANY OTHER MATTER, OF THIS PRODUCT. THE MANUFACTURER SHALL BE IN NO WAY RESPONSIBLE FOR THE IMPROPER USE OF THIS PRODUCT. The sole and exclusive remedy against the manufacturer for breach of warranty shall be reimbursement of the purchase price of the product in the event that a defective condition of the product shall be found to exist. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE.