

MATERIAL SAFETY DATA SHEET

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PRODUCT IDENTIFICATION: 1H.25 MSDS NUMBER: 102008BP  
PRODUCT NAME: ORANGE PUNCH HAND CLEANER ORIGINAL DATE: 02/18/98  
TRADE NAME: WATERLESS HAND CLEANER LATEST UPDATE: 07/24/00  
CHEMICAL FAMILY: HAND SOAP FORMULA: Proprietary  
S.A.R.A. INFORMATION:  
HAZARDS: Fire: Y Pressure: N Reactivity: N Acute: N Chronic: N  
PHYSICAL DATA: Mixture: X Pure: Solids: Liquids: X Gas:

SECTION I HAZARDOUS INGREDIENTS

MATERIAL	% BY WEIGHT	CAS #	OSHA PEL - ACGIH TLV
D'LEMONENE	12-16%	5989-27-52	
MINERAL SPIRITS	25-35%	64742-21-8	
NONYLPHENOLETHOXYLATE	6-9%	9016-45-9	

SECTION II HEALTH HAZARDS

TLV (Threshold Limit Value): See Section I  
EYES: Will cause eye irritation.  
SKIN: Contact with skin may cause dermatitis due to defatting of keratin layer.  
INHALATION: Avoid prolonged breathing, possible effects include headache, nasal and respiratory irritation.  
INGESTION: If swallowed possible effects include headache, nausea, drowsiness, fatigue, pneumonitis.

SECTION III FIRST AID

EYES: Flush eyes thoroughly for at least 15 minutes, lifting upper and lower lids periodically to ensure flushing on entire surface. Call a physician if irritation persists.  
SKIN: If clothing is soaked, immediately remove clothing and wash with soap and water. Launder clothing before reuse. Get medical attention if necessary.  
INHALATION: Remove person to fresh air.  
INGESTION: DO NOT induce vomiting. Give milk or water to dilute material. Avoid alcohol. Call a physician or poison control center immediately, never give anything to an unconscious person.

SECTION IV SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not normally needed.  
VENTILATION REQUIRED: Use in well ventilated area. Local exhaust  
PROTECTIVE CLOTHING: EYES: Safety glasses. SKIN: N/A  
ADDITIONAL PROTECTIVE MEASURES: N/A

SECTION V FIRE & EXPLOSION HAZARD DATA

FLASH POINT: 185 Dgr. F.  
METHOD USED: TCC EXTINGUISHING MEDIA: Water spray or fog, Carbon dioxide, dry chemical, or foam. If leak or spill has not ignited, use water spray to disperse vapors.  
SPECIAL FIRE FIGHTING PROCEDURES: Avoid exposure to fumes or vapors.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible, Keep away from heat, sparks and open flame. use water spray to cool adjacent fire exposed containers.

SECTION VI PHYSICAL DATA

BOILING POINT: 225 Dgr. F.  
SPECIFIC GRAVITY (WATER=1): .98 POUNDS PER GALLON: 8.16  
VAPOR PRESSURE (MM HG): 17 VAPOR DENSITY (Air=1): 0.62  
EVAPORATION RATE: (Ethyl Ether=1) Slower % VOLATILE BY VOLUME: 50%  
SOLUBILITY IN WATER: complete pH: 8  
APPEARANCE AND ODOR: ORANGE liquid / citrus fragrance.

SECTION VII REACTIVITY DATA

PRODUCT IS: Stable  
INCOMPATIBILITY: Strong oxidizers. HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion can yield carbon monoxide and various hydrocarbons.  
HAZARDOUS POLYMERIZATION: Will not occur

SECTION VIII SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Flush into local sewer system or Pick up with inert absorbent and place in closed container for disposal.  
DISPOSAL METHOD: Dispose of in accordance with all regulation.

SECTION IX D.O.T. SHIPPING INFORMATION FREIGHT CLASS: 55

PROPER SHIPPING NAME: WATERLESS HAND CLEANER

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SECTION X ADDITIONAL INFORMATION

STORAGE AND HANDLING: Keep containers closed. Keep out of Reach of Children Store in cool, dry area.

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DATE ISSUED: 07/24/00 PREPARED BY: REGULATORY AFFAIRS

This supersedes any and all Material Safety Data Sheet issued prior to the above date. Please update your files with this most current sheet.