VALUE PRODUCTS INC 2128 INDUSTRIAL DR. STOCKTON, CA 95206

PRODUCT CODE: 965510  REVISION : 1
DATE ISSUED: 02/05/07  SUPERSEDES : 06/01/94

SECTION I  PRODUCT IDENTIFICATION

PRODUCT NAME : MINTOL

CHEMICAL NAME : ALCOHOL-SURFACTANT BLEND
FORMULA  : PROPRIETARY
DOT HAZARD CLASS  : COMBUSTIBLE, ISOPROPANOL SOLUTION (CFR49 173-120) UN# 1219

HAZARD RATING (NFPA 704)  HAZARD RATING  PROTECTIVE EQUIPMENTS
HEALTH: 2  0=MINIMAL  A=GOGGLES
FIRE: 1  1=SLIGHT  B=GOGGLES, GLOVES
REACTIVITY: 0  2=Moderate  C=GOGGLES, GLOVES, APRON
PROTECTIVE EQUIPMENT: C  3=SERIOUS  D=GOGGLES, GLOVES, APRON, FACE SHIELD
4=SEVERE  E=GOGGLES, GLOVES, RESPIRATOR

CHEMTREC'S 24 HOUR EMERGENCY TELEPHONE NUMBER 800-424-9300

SECTION II  HAZARDOUS INGREDIENTS

SUBSTANCES LISTED IN THIS SECTION ARE THOSE IDENTIFIED AS BEING PRESENT AT A CONCENTRATION OF 1% OR GREATER, OR 0.1% IF THE SUBSTANCE IS ON THE LIST OF POTENTIAL CARCINOGENS CITED IN OSHA HAZARD COMMUNICATION STANDARD.

MATERIAL  CAS#  TLV  PEL
ISOPROPYL ALCOHOL  67-63-0  400PPM  400PPM
DISINFECTANT LIQUID MIXTURE BARDAC 205M, CONTAINING ACTIVE INGREDIENTS: N, N, DIALKYL-N DIMETHYL-68426-95-3 NOT ESTABLISHED AMMONIUM CHLORIDE
DISINFECTANT LIQUID MIXTURE BARQUART MB-50, CONTAINING ACTIVE INGREDIENTS: N-ALKYL DIMETHYL BENZYL-68424-85-1 NOT ESTABLISHED AMMONIUM CHLORIDE

SECTION III  PHYSICAL DATA

BOILING POINT : 190 °F  VOLATILE : 95%
VAPOR PRESSURE: 33 mmHg  SOLUBILITY IN WATER: COMPLETE
VAPOR DENSITY: (AIR=1): >1  SPECIFIC GRAVITY: 0.980-0.990
EVAPORATION RATE (BUTYL ACETATE=1):>2  VISCOSITY: WATER THIN
PH CONCENTRATE: 7.5-8.0  DESCRIPTION: CLEAR GREEN SOLUTION, MINT SCENT

SECTION IV  FIRE AND EXPLOSION HAZARDS

FLASH POINTS: 152 °F  METHOD USED: C.O.C.
LOWER FLAMMABLE LIMIT : 2%  UPPER FLAMMABLE LIMIT: 12%
(BASED ON ISOPROPANOL PHYSICAL PROPERTIES)

EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE, DRY CHEMICALS.

FIRE-FIGHTING PROCEDURES: USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS AND TO DISPERSE VAPORS. WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.
SECTION IV  FIRE AND EXPLOSION HAZARDS (CONT.)

UNUSUAL FIRE OR EXPLOSIVE HAZARD:

- ANY USE OF WELDING OR CUTTING TORCH ON OR NEAR DRUMS (EVEN WHEN EMPTY) CAN IGNITE EXPLOSIVELY.
- VAPORS, HEAVIER THAN AIR, MAY TRAVEL ALONG THE GROUND AND BE IGNITED BY PILOT LIGHTS, FLAMES, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM HANDLING POINTS.
- VAPORS FROM THIS MATERIAL MAY ALSO SETTLE IN LOW AND CONFINED AREAS. UPON CONTACT WITH IGNITION SOURCES, THE VAPORS MAY FLASH BACK EXPLOSIVELY.

SECTION V  HEALTH HAZARD DATA

SIGNS AND SYMPTOMS OF EXPOSURE (SKIN, EYE CONTACT; INHALATION; INGESTION)

EYE CONTACT: EXPOSURE TO LIQUID OR VAPORS MAY CAUSE EYE IRRITATION. SYMPTOMS MAY INCLUDE REDNESS, TEARING, BURNING, SWELLING. CORNEAL INJURY MAY ALSO OCCUR.

INHALATION: CAN CAUSE HEADACHE, NAUSEA, AND IRRITATION TO RESPIRATORY TRACT WITH COUGHING AND CHEST DISCOMFORT. PROLONGED INHALATION MAY RESULT IN DROWSINESS, LOSS OF APPETITE, INABILITY TO CONCENTRATE.

INGESTION: CAN CAUSE NAUSEA, VOMITING AND GASTROINTESTINAL UPSET. DROWSINESS OR LOSS OF CONSCIOUSNESS MAY OCCUR.

SKIN CONTACT: EXPOSURE MAY CAUSE MILD SKIN IRRITATION. PROLONGED CONTACT MAY RESULT IN SKIN DRYNESS, REDNESS, BURNING, CRACKING.

FIRST AID MEASURES

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 15 MINUTES. HOLD EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. IF PHYSICIAN NOT AVAILABLE, FLUSH EYES FOR ADDITIONAL 15 MINUTES. SEEK MEDICAL ATTENTION IMMEDIATELY.

INHALATION: REMOVE TO FRESH AREA. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING STOPS, GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM AND GET MEDICAL ATTENTION.

INGESTION: DRINK LARGE QUANTITIES OF WATER AND INDUCE VOMITING IF MEDICAL HELP IS NOT IMMEDIATELY AVAILABLE. SEEK MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAPS AND LOTS OF WATER. IF IRRITATION OCCURS AND PERSISTS SEEK MEDICAL ATTENTION AS NEEDED. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

SECTION VI  REACTIVITY DATA

STABILITY: STABLE UNDER NORMAL STORAGE AND HANDLING

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ACIDS, OXIDIZERS, ALDEHYDES, HALOGENS OR HALOGEN COMPOUNDS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

CONDITIONS TO AVOID: HIGH TEMPERATURE.

HAZARDOUS DECOMPOSITION: TOXIC CARBON OXIDE, CARBON DIOXIDE.

SECTION VII  SPILL OR LEAK PROCEDURES

CLEAN-UP PROCEDURES: AVOID CONTACT WITH EYES. WEARS PROTECTIVE CLOTHING. BE SURE THAT THE SPILLED AREA IS FREE FROM FIRE OR EXPLOSIVE HAZARD. SPILL SHOULD BE IMMEDIATELY STOPS. CONTAIN SPILL WITH INERT MATERIAL THEN TRANSFER TO SEALABLE CONTAINERS FOR DISPOSAL. PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS, OR OTHER BODIES OF WATER. PREVENT SPREADING OF CONTAMINATED AREAS. IF RUN-OFF OCCURS, NOTIFY AUTHORITIES AS REQUIRED.
RECOMMENDED WASTE DISPOSAL METHOD: NOTIFY APPLICABLE AUTHORITIES OF SPILLS AND DISPOSAL METHODS. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION VIII  SPECIAL PROTECTION DATA

RESPIRATORY PROTECTION : SELF-CONTAINED BREATHING APPARATUS IN HIGH VAPOR CONCENTRATION. ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

EYE PROTECTION : SAFETY/CHEMICAL SPLASH GOGGLES.

PROTECTIVE CLOTHING : FULL-LENGTH CLOTHING, RUBBER GLOVES AND BOOTS.

VENTILATION : ADEQUATE LOCAL EXHAUST

OTHER PROTECTIVE MEASURES: EYEWASH AND SAFETY SHOWER.

SECTION IX  SPECIAL PRECAUTION

HYGIENIC PRACTICES IN HANDLING STORING: WASH THOROUGHLY AFTER HANDLING. DO NOT SMOKE, DRINK, EAT IN THE WORKING AREAS.

PRECAUTION TO BE TAKEN IN HANDLING AND STORING:
- STORE IN COOL, DRY, VENTILATED AREAS.
- KEEP AWAY FROM HEAT, SPARKS, AND FLAME
- KEEP CONTAINERS CLOSED, AWAY FROM SOURCES OF DRINKING WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.
- THE PRODUCT IS COMBUSTIBLE. VAPORS MAY BE IGNITED BY STATIC SPARKS.
- USE PROPER BONDING OR GROUNDING DURING LIQUID TRANSFER.

DISPOSAL OF EMPTY CONTAINER: EMPTY CONTAINERS SHOULD BE TRIPLE RINSED WITH WATER AND DISPOSED OF PURSUANT TO LOCAL, STATE, AND FEDERAL REQUIREMENTS.

SECTION X  USER'S RESPONSIBILITY

THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE REMAINS WITH THE USER. THE USER SHOULD CONSIDER THE HEALTH HAZARD AND SAFETY INFORMATION CONTAINED HEREIN AS A GUIDE AND SHOULD TAKE THOSE PRECAUTIONS REQUIRED IN AN INDIVIDUAL OPERATION TO INSTRUCT EMPLOYEES AND DEVELOP WORK PRACTICE PROCEDURES FOR A SAFE WORK ENVIRONMENT.

THE INFORMATION CONTAINED HEREIN, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, IS ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

REVISIONS:
01/20/94  ISSUED NEW MSDS.
06/01/94  REVISED EMERGENCY PHONE NUMBER, HAZARD RATING SCALE