

MATERIAL SAFETY DATA SHEET (MSDS)

MANUFACTURER'S NAME: NICE-PAK PRODUCTS, INC.
ADDRESS: TWO NICE-PAK PARK
ORANGEBURG, NY 10962-1376
EMERGENCY TELEPHONE NUMBER: (914) 365-1700

EFFECTIVE DATE: 3/20/92 (revised)

PRODUCT NAME: IMPROVED GERMICIDAL CLEANING SOLUTION (SANI-CLOTH ID #4099)

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

ISOPROPYL ALCOHOL CAS 67-63-0 ACGIH TLV 400 ppm < 10%
BTC 2125M - QUATERNARY AMMONIUM COMPOUND ACGIH TLV N/A < 1%
CAS 139-08-02
CAS 27479-28-3

PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point 181.5°F Specific Gravity (H₂O - 1) 25°/25°C 0.983
Vapor Pressure (mm Hg.) N/A Melting Point N/A
Vapor Density (AIR - 1) N/A Evaporation Rate (Butyl Acetate = 1) N/A
Solubility in Water INFINITE
Appearance and Odor CLEAR COLORLESS LIQUID WITH ALCOHOLIC ODOR

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) 103°F FLAMMABLE LIMITS LEL N/A UEL N/A
EXTINGUISHING MEDIA: WATER, FOAM
SPECIAL FIRE FIGHTING PROCEDURES: N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS: TREAT LIQUID AS COMBUSTIBLE

REACTIVITY DATA

STABILITY: STABLE CONDITIONS TO AVOID: N/A
INCOMPATIBILITY (MATERIALS TO AVOID): ANIONIC SURFACTANTS, SOAPS
HAZARDOUS DECOMPOSITION OF BYPRODUCTS: N/A
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HEALTH HAZARD DATA

ROUTE OF ENTRY: INHALATION? SKIN? INGESTION? LOW TOXICITY
HEALTH HAZARDS (ACUTE AND CHRONIC): EYE SPLASH - IRRIGATE EYES WITH COPIOUS AMOUNTS OF WATER
SKIN CONTACT - WASH AREA WITH WATER
INGESTION - CONSULT PHYSICIAN
CARCINOGENICITY: COMPONENTS NOT CONSIDERED CARCINOGENS
SIGNS AND SYMPTOMS OF EXPOSURE: SKIN IRRITATION
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A
EMERGENCY AND FIRST AID PROCEDURES: SEE ABOVE

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SOAK UP WITH ABSORBENT,
DISCARD IN WASTE CONTAINER, FLUSH WITH WATER
WASTE DISPOSAL METHOD: LARGE SPILLS: CONTAIN TO PREVENT DISCHARGE INTO ENVIRONMENT.
NON-HAZARDOUS WASTE. FOLLOW LOCAL, STATE AND FEDERAL REGULATIONS.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN COOL, DRY PLACE, AWAY FROM
SOURCES OF IGNITION AND HEAT.

CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): N/A
VENTILATION: LOCAL EXHAUST: PROVIDE FOR ADEQUATE AIR MOVEMENT
PROTECTIVE GLOVES: ALCOHOL RESISTANT EYE PROTECTION: SAFETY GLASSES
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A
WORK/HYGIENIC PRACTICES: WASH HANDS AFTER USE

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MANUFACTURER'S NAME: H & P INDUSTRIES
ADDRESS: 9640 SOUTH 60TH STREET
FRANKLIN, WI 53132
EMERGENCY TELEPHONE NUMBER: (414) 421-3300

PRODUCT NAME: ANTISEPTIC BZK TOWELETTE

TRADE NAME AND SYNONYMS: BZK
CHEMICAL FAMILY: ALDEHYDE
FORMULA: C₁₄ 50% C₁₂ 40% C₁₆ 10%

HAZARDOUS INGREDIENTS

NONE PRESENT

PAINTS, PRESERVAT., SOLVENTS

PIGMENTS: N/A CATALYST: N/A VEHICLE: DEIONIZED WATER 71%
SOLVENTS: IPA 28% 400 TLV (70% ISOPROPYL ALCOHOL) ADDITIVES: QUATERNARY (BZK) < 1%
ALLOYS & METLC. COAT
BASE METAL: N/A ALLOYS: N/A METALLIC COAT.: N/A FILLER MET. + COAT.: N/A
OTHERS: N/A

PHYSICAL DATA

BOIL POINT (F): > 180°
VAPOR PRESS. (mm Hg): N/A
VAPOR DENS. (AIR=1): > 2.0
SOLUBILITY IN WATER: SOLUBLE
APPEARANCE AND ODOR: CLEAR, COLORLESS WITH LEMON-LIME FRAGRANCE AND SLIGHT ALCOHOLIC ODOR
SPECIFIC GRAV. (H₂O=1): 0.980
% VOLATILE BY VOLUME: 28%
EVAP. RATE (H₂O=1): > 7.0

FIRE AND EXPLOSION HAZARD DATA

FLASH PT.: 50°F (OPEN CUP) FLAMMABLE LIM.: LEL UEL
EXTINGUISHING MEDIA: H₂O FOG. CO₂, DRY CHEMICAL, FOAM
SPECIAL FIRE FIGHTING PROCEDURES: FLOOD WITH WATER
USUSUAL FIRE AND EXPLOSION HAZARDS: N/A

HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NONE ESTABLISHED
EFFECTS OF OVEREXPOSURE: NONE EXPECTED
EMERGENCY AND FIRST AID PROCEDURES: IF SWALLOWED, INDUCE VOMITING AND CALL A PHYSICIAN.
WITH EYE CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER.

REACTIVITY DATA

STABILITY: STABLE COND. TO AVOID: N/A
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS & ISOCYANATE &
ORGANOMETALLIC CONTAMINATION, ANAHYDRIDES.
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, NITROUS OXIDE. AMMONIA
MAY BE PRESENT IN SMALL AMOUNTS.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR COND. TO AVOID: N/A

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ELIMINATE ALL SOURCES OF
IGNITION AND FLUSH WITH COPIOUS AMOUNTS OF WATER.
WASTE DISPOSAL METHOD: ATOMIZE INTO AN INCINERATOR WHERE APPROPRIATE FEDERAL, STATE AND
LOCAL REGULATIONS ALLOW.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: N/A VENTILATION: LOCAL EXHAUST, MECHANICAL
PROTECTIVE GLOVES EYE PROTECTION: GOGGLES, USE EYE BATH IF CONTACT
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: FLAMMABLE, KEEP AWAY FROM SPARKS OR FLAME