

MATERIAL SAFETY DATA SHEET (MSDS)

TRADE NAME: SWELL® N.A.B.C. NON-ACID BOWL DISINFECTANT / CLEANER #EP 727

SECTION I - IDENTIFICATION

COMPANY NAME.....EPIC INDUSTRIES
COMPANY ADDRESS.....1007 JERSEY AVENUE
.....NEW BRUNSWICK, NJ 08901
TELEPHONE NUMBER.....1 (800) 221-3742
EMERGENCY PHONE #.....1 (800) 255-3942 CHEM-TEL, INC.
PRODUCT HAZARD RATINGS: HEALTH=0, FIRE=0, REACTIVITY=0
PROTECTIVE EQUIPMENT: E(HMIG)
RATINGS LEGEND: 4=EXTREME, 3=SERIOUS, 2=MODERATE, 1=SLIGHT, 0=MINIMAL

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	WEIGHT%	TLV(UNITS)	CAS #
N-ALKYL (C ₁₂₋₁₄) DIMETHYLBENZYLAMMONIUM CHLORIDE	0.09-0.125	N/E	68391-01-5
N-ALKYL (C ₁₂₋₁₈) DIMETHYLETHYLBENZYLAMMONIUM CHLORIDE	0.09-0.125	N/E	N/E
SODIUM CARBONATE	0.16	N/E	497-19-8
SODIUM METASILCATE	0.05	N/E	6834-92-0
TETRAPOTASSIUM PYROPHOSPHATE	0.14	N/E	7320-34-5
HYDROXYETHYL CELLULOSE	0.0-1.5	N/E	9004-62-0
ETHANOL	0.023-0.050	1000 PPM (OSHA PEL) 1000 PPM (ACGIH-TWA)	64-17-5
SURFACTANT (NONYL PHENOL ETHOXYLATE, LINEAR PRIMARY ALCOHOL ETHOXYLATE OR N-OCTYLDIMETHYLAMINE OXIDE)	0.20-0.75	NE	
WATER	97.1-99.3	N/E	7732-18-5

SECTION III - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE -- CLEAR BLUE LIQUID
VISCOSITY -- NOT KNOWN
BOILING POINT (F) -- NOT KNOWN
VAPOR DENSITY--(AIR=1) NOT KNOWN
PERCENT VOLATILE (BY WEIGHT) -- 97-99
EVAPORATION RATE (BuAc=1) NOT KNOWN
Ph -- 12.4
ODOR -- DEPENDS UPON OPTIONAL FRAGRANCE ADDED
MELTING OR FREEZING POINT (F) -- NOT KNOWN
VAPOR PRESSURE -- (MM HG) NOT KNOWN
SPECIFIC GRAVITY (H₂O=1) -- 1.00 @ 25°C
SOLUBILITY IN H₂O -- SOLUBLE

SECTION IV - FIRE AND HAZARD DATA

FLASH POINT.....>200°F LOWER FLAME LIMIT.....NA HIGHER FLAME LIMIT.....NA
EXTINGUISH MEDIA.....ALCOHOL FOAM, CO₂, DRY CHEMICAL, WATER,
FOR FIRE.....MUST WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING
APPARATUS AND PROTECTIVE CLOTHING. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.
UNUSUAL FIRE HAZARD..... PRODUCTS OF COMBUSTION ARE TOXIC.

SECTION V - HEALTH HAZARD DATA

ROUTES OF ENTRY: SKIN CONTACT EYE CONTACT INHALATION INGESTION

OVEREXPOSURE EFFECTS -- NO TOXICITY INFORMATION WAS FOUND FOR THIS MATERIAL. BASED UPON THE AVAILABLE ANIMAL TOXICITY INFORMATION AVAILABLE FOR SIMILAR PRODUCTS, IT IS ANTICIPATED THAT DIRECT CONTACT WILL PRODUCE MILD TO MODERATE SKIN AND/OR EYE IRRITATION.

**OVEREXPOSURE MAY AGGRAVATE EXISTING CONDITIONS: NO EFFECTS INDICATED.
EMERGENCY AND FIRST AID PROCEDURES:**

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EYES: FLUSH EYES WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

SKIN: WASH AFFECTED AREAS WITH PLENTY OF WATER, AND SOAP IF AVAILABLE, FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

INGESTION: IF SWALLOWED, GIVE 3-4 GLASSES OF MILK (IF UNAVAILABLE, GIVE WATER). BUT DO NOT INDUCE VOMITING. IF VOMITING DOES OCCUR, GIVE FLUIDS AGAIN. GET MEDICAL ATTENTION TO DETERMINE WHETHER VOMITING OR EVACUATION OF STOMACH IS NECESSARY.

INHALATION: REMOVE FROM AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

CHEMICALS LISTED ARE CARCINOGEN BY:

NATIONAL TOXICOLOGY PROGRAM -- NO

I.A.R.C. MONOGRAPHS -- NO

OSHA -- NO

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SECTION VI - REACTIVITY DATA
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STABILITY: STABLE

CONDITIONS TO AVOID: NOT KNOWN

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY PRODUCE TOXIC VAPORS /FUMES OF HYDROGEN CHLORIDE, AMINES AND OTHER ORGANIC MATERIALS, AND OXIDES OF CARBON AND NITROGEN.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NOT KNOWN

INCOMPATIBLE MATERIALS: STRONG OXIDIZING OR REDUCING AGENTS.

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SECTION VII - SPILL OR LEAK PROCEDURE
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PROCEDURES: CAUTION! FLOORS MAY BECOME SLIPPERY. WEAR APPROPRIATE PROTECTIVE GEAR AND RESPIRATORY PROTECTION WHERE MISTS OR VAPORS OF UNKNOWN CONCENTRATIONS MAY BE GENERATED (SELF-CONTAINED BREATHING APPARATUS PREFERRED).

DIKE AND CONTAIN SPILL WITH INERT MATERIAL (SAND, EARTH, ETC.) AND TRANSFER THE LIQUID AND SOLID SEPARATELY TO CONTAINERS FOR RECOVERY OR DISPOSAL. KEEP SPILL OUT OF SEWERS AND OPEN BODIES OF WATER.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. INCINERATION IS THE PREFERRED METHOD.

CONTAINER DISPOSAL: TRIPLE RINSE (OR EQUIVALENT). THEN OFFER FOR RECYCLING OR RECONDITIONING, OR PUNCTURE AND DISPOSE OF IN A SANITARY LANDFILL, OR INCINERATION, OR , IF ALLOWED BY STATE AND LOCAL AUTHORITIES, BY BURNING. IF BURNED, STAY OUT OF SMOKE.

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SECTION VIII - SPECIAL PROTECTION
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VENTILATION: IN PROCESSES WHERE MISTS OR VAPORS MAY BE GENERATED, PROPER VENTILATION MUST BE PROVIDED IN ACCORDANCE WITH GOOD VENTILATION PRACTICES.

RESPIRATORY PROTECTION: IN PROCESSES WHERE MISTS OR VAPORS MAY BE GENERATED, A NIOSH/MSHA JOINTLY APPROVED RESPIRATOR IS ADVISED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS, OR IF THE TLV/TWA IS EXCEEDED.

PROTECTIVE GLOVES: RUBBER OR NEOPRENE, WHEN NEEDED TO PREVENT SKIN CANCER.

EYE PROTECTION: WEAR CHEMICAL SPLASH GOGGLES WHERE THERE IS A POTENTIAL FOR EYE CONTACT. USE SAFETY GLASSES WITH SIDE SHIELDS UNDER NORMAL USE CONDITIONS.

OTHER PROTECTIVE EQUIPMENT: EYE WASH; SAFETY SHOWER; PROTECTIVE CLOTHING (LONG SLEEVES, COVERALLS OR OTHER, AS APPROPRIATE), WHEN NEEDED TO PREVENT SKIN CONTACT.

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SECTION IX - STORAGE AND HANDLING

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MAXIMUM STORAGE TEMPERATURE: 140°F. DO NOT CONTAMINATE DRINKING WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. KEEP CONTAINERS CLOSED UNTIL USED.

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SECTION X - TOXICOLOGY INFORMATION

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TOXICITY: NO TOXICITY INFORMATION IS AVAILABLE FOR THIS SPECIFIC MATERIAL. THE TOXICITY INFORMATION PROVIDED IS FOR SEVERAL ALKALINE EPA FIFRA REGISTERED FORMULATIONS, R-82, S-21 AND S-38, AT THEIR RECOMMENDED USE DILUTIONS, RESULTING IN CONCENTRATIONS OF 850 PPM, 850 PPM AND 600 PPM RESPECTIVELY OF THE RELATED QUAT ACTIVES, ALKYLDIMETHYLBENZYLAMMONIUM CHLORIDE AND ALKYLDIMETHYLETHYLBENZYLAMMONIUM CHLORIDE.

ACUTE:

FOR LONZA FORMULATION R-82 (AT RECOMMENDED DILUTION, 850 PPM ACTIVES BLEND)

- EYE IRRITATION (RABBIT): ESSENTIALLY NON IRRITATING.
- SKIN IRRITATION (RABBIT): ESSENTIALLY NON IRRITATING.

FOR LONZA FORMULATION S-21 (AT RECOMMENDED DILUTION, 850 PPM ACTIVES BLEND)

- EYE IRRITATION (RABBIT): NOT AN IRRITANT WITH OR WITHOUT WASHING.
- SKIN IRRITATION (RABBIT): NOT AN IRRITANT.

FOR LONZA FORMULATION S-38 (AT RECOMMENDED DILUTION, 600 PPM ACTIVES BLEND)

- SKIN IRRITATION (RABBIT): NOT AN IRRITANT.
 - EYE IRRITATION (RABBIT): ESSENTIALLY NON IRRITATING WITH OR WITHOUT WASHING.
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SECTION XI - MISCELLANEOUS AND REGULATORY INFORMATION

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TOXIC SUBSTANCES CONTROL ACT (TSCA INVENTORY) STATUS: THIS PRODUCT IS CURRENTLY LISTED ON U.S. EPA TSCA 8 (B) INVENTORY LIST.

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SECTION XII - TRANSPORT (D.O.T.)

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SHIP NAME: CONSUMER COMMODITY

HAZARD CLASS = ORM-D

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APPROVAL

**JOHN YOUSSEF
NAME**

**TECHNICAL DIRECTOR
TITLE**

**10/26/08
DATE**

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THE INFORMATION CONTAINED HEREIN HAS BEEN DEVELOPED BASED UPON CURRENT AVAILABLE SCIENTIFIC DATA. NEW INFORMATION MAY BE DEVELOPED FROM TIME TO TIME WHICH MAY RENDER THE CONCLUSION OF THIS REPORT OBSOLETE. THEREFORE, NO WARRANTY IS EXTENDED AS TO APPLICABILITY OF THIS INFORMATION TO THE USERS INTENDED PURPOSE OR FOR THE CONSEQUENCES OF ITS USE OR MISUSE.

NA - NOT APPLICABLE

NE - NOT ESTABLISHED

UN - UNAVAILABLE