EN-RT A
MATERIAL SAFETY DATA SHEET
NSN: 685000N027105
Manufacturer's Cage: 07653
Part No. Indicator: A
Part Number/Trade Name: EN-RT

--- General Information ---

Item Name: EN-RT
Company's Name: DELL COMM FINISHING
Company's Street: 186 N. DUPONT HWY
Company's City: NEW CASTLE
Company's State: DE
Company's Country: US
Company's Zip Code: 19720
Company's Info Ph #: 410-371-9756
Emergency Ph #: CHEMTREC 1-800-424-9300
Record: SE
Date MSDS Prepared: 05APR01
Safety Data Review Date: 05APR01
Supply Item Manager: CX
MSDS Preparer's Name: BILJT

--- Ingredients/Identity Information ---

Proprietary: NO
Ingredient: NICKEL SULFATE (SARA III) CONTAINING INGREDIENT 2
Ingredient Sequence Number: 01
Percent: <36
NIOSH (RTECS) Number: QR9350000
CAS Number: 7786-81-4
OSHA PEL: 1 MG NI/M3
ACGIH TLV: 0.1 MG NI/M3; 9293

Proprietary: NO
Ingredient: NICKEL AS NICKEL SULFATE (SARA III)
Ingredient Sequence Number: 02
Percent: <8
NIOSH (RTECS) Number: QR5950000
CAS Number: 7440-02-0
OSHA PEL: 0.1 MG/M3
ACGIH TLV: 0.1 MG/M3

Proprietary: NO
Ingredient: AMMONIA (SARA III)
Ingredient Sequence Number: 03
Percent: 5
NIOSH (RTECS) Number: BO0875000
CAS Number: 7664-41-7
OSHA PEL: 50 PPM
ACGIH TLV: 25 PPM/35 STEL; 9293

Proprietary: NO
Ingredient: SODIUM HYPOPHOSPHITE
Ingredient Sequence Number: 04
Percent: <15
NIOSH (RTECS) Number: WB5950000
CAS Number: 7681-53-0
OSHA PEL: NOT APPLICABLE.
ACGIH TLV: NOT APPLICABLE.

Proprietary: YES
Ingredient: NON HAZARDOUS INGREDIENTS
Ingredient Sequence Number: 05
Percent: BALANCE
NOSH (RTCS) Number: 1000314NH
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Physical/Chemical Characteristics

Appearance And Odor: CLEAR, DARK GREEN LIQUID W/NO ODOR.
Boiling Point: >212°F, >100°C
Melting Point: 58.0°F, 14.4°C
Vapor Pressure (MM Hg/70 F): N/A
Specific Gravity: 1.26 (H2O=1)
Evaporation Rate And Ref: NOT APPLICABLE.
Solubility In Water: COMPLETE.

Fire and Explosion Hazard Data

Flash Point: NOT FLAMMABLE
Lower Explosive Limit: N/A
Upper Explosive Limit: N/A
Extinguishing Media: SAME AS FOR SURROUNDING MATERIAL.
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA & FULL
PROTECTIVE EQUIPMENT (FF N).
Unusual Fire And Expl Hazards: CORROSIVE FUMES & VAPORS MAY DEVELOP IF
PRODUCT IS EXPOSED TO ELEVATED TEMPERATURE.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): EXCESS HEAT.
Materials To Avoid: UNKNOWN.
Hazardous Decomp Products: OXIDES OF SULFUR MAY EVOLVE UPON HEATING.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT.

Health Hazard Data

LD50- LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: INHALATION OF MIST/VAPOR CAN CAUSE IRRIT OF
THE UPPER RESPIRATORY TRACT. SKIN CONTACT MAY BE IRRITATING & CAUSE
ALLERGIC DERMATITIS ("NICKEL ITCH") CHARACTERIZED BY ITCHING & SKIN
ERUPTIONS. EYE CONTACT W/SOLUTION MAY CAUSE IRRIT. INGESTION CAN CAUSE
GIDDINESS, NAUSEA, VOMITING & DAMAGE TO GI TRACT. CHRONIC: UNKNOWN.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT
Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
Emergency/First Aid Proc: EYE: FLUSH THOROUGHLY W/RUNNING WATER FOR AT
LEAST 15 MINS, INCLUDING UNDER EYELIDS. CONTACT MD IMMEDIATELY. SKIN: FLUSH
AFFECTED AREA W/PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING UNDER SHOWER.
CONTACT MD IMMEDIATELY. INHAL: REMOVE TO FRESH AIR. RESTORE &/OR SUPPORT
BREATHING AS NEEDED. CONTACT MD IMMEDIATELY. INGEST: GIVE VICTIM A LARGE
QUANTITY OF WATER OR MILK TO DRINK. CONTACT MD IMMEDIATELY.
Precautions for Safe Handling and Use

Steps If Mat Released/Spill: NEUTRALIZE W/SLAKED LIME, CRUSHED LIMESTONE OR SODIUM BICARBONATE. ABSORB THE SPILL w/ANY NON-COMBUSTIBLE SORBENT SUCH AS FLYASH OR CEMENT POWDER.
Neutralizing Agent: SLAKED LIME, CRUSHED LIMESTONE OR SODIUM BICARBONATE.
Waste Disposal Method: PUT THE MATERIAL IN A POLYLINE DRUM. FOLLOW FEDERAL, STATE & LOCAL REGULATIONS FOR DISPOSAL.
Precautions-Handling/Storing: KEEP CONTR CLOSED AT ALL TIMES WHEN NOT IN USE. KEEP AWAY FROM WATER SOURCES & SEWERS. BEFORE MOVING DRUM, BE SURE CLOSURES ARE SECURELY FASTENED.
Other Precautions: NONE.

Control Measures

Respiratory Protection: USE NIOSH/MSHA APPROVED CHEMICAL RESPIRATOR.
Ventilation: LOCAL EXHAUST SHOULD BE USED. MAINTAIN A MINIMUM AIR FLOW OF 100 LPM.
Protective Gloves: RUBBER, NEOPRENE OR PVC GLOVES.
Eye Protection: CHEM WORK COGS/FULL LENGTH FS300 (FP N)
Other Protective Equipment: NEOPRENE OR PVC APRON & RUBBER BOOTS.
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Suppl. Safety & Health Data: NONE SPECIFIED BY MANUFACTURER.

Transportation Data

Trans Data Review Date: 92217
DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFT PSN Code: ZZZ
AFT Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
Additional Trans Data: NOT REGULATED FOR TRANSPORTATION

Disposal Data

Label Data

Label Required: YES
Technical Review Date: 24FEB92
Label Status: G
Common Name: ELECTROLESS NICKEL SOLUTION, 4855A
Chronic Hazard: YES
Signal Word: WARNING!
Acute Health Hazard-Moderate: X
Contact Hazard:Slight: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Protect Skin: Y
Protect Respiratory: Y
Item Name: A-BRASS COMPONENT #1
Company's Name: BELL COMM FINISHING
Company's Street: 186 N. DUPONT HWY
Company's City: NEW CASTLE
Company's State: DE
Company's Country: US
Company's Zip Code: 19720
Company's Info Ph #: 410-371-9756
Emergency Ph #: CHEMTREC 1-800-424-9300