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Boomer Brand

NOTE: This is a historical document (Circa 1997) and is offered for informational pu

M W DUNTON COMPANY

NOKORODE SOLDERING PASTE - FLUX, SOLDERING
MATERIAL SAFETY DATA SHEET

NSN: 3439004693398
Manufacturer's CAGE: 81397
Part No. Indicator: A
Part Number/Trade Name: NOKORODE SOLDERING PASTE

General Information

Item Name: FLUX, SOLDERING
Company's Name: M W DUNTON CO
Company's Street: 3 BRIDAL AVE
Company's P. O. Box: 232
Company's City: WEST WARWICK
Company's State: RI
Company's Country: US
Company's Zip Code: 02893-2901
Company's Emerg Ph #: 401-821-1832
Company's Info Ph #: 401-821-1832
Record No. For Safety Entry: 003
Tot Safety Entries This Stk#: 006
Status: SMJ
Date MSDS Prepared: 09APR90
Safety Data Review Date: 16NOV90
Supply Item Manager: N32
MSDS Serial Number: BJJFF

Ingredients/Identity Information

Proprietary: NO
Ingredient: ZINC CHLORIDE
Ingredient Sequence Number: 01
Percent: <25
CAS Number: 7646-86-7
OSHA PEL: 1 MG/M3 (FUME)
ACGIH TLV: 1 MG/M3 (FUME)
Other Recommended Limit: STEL-2MG/M3 (FUME)

Proprietary: NO
Ingredient: AMMONIUM CHLORIDE (SARA III)
Ingredient Sequence Number: 02
Percent: <25
NIOSH (RTECS) Number: BP4550000
CAS Number: 12125-02-9
OSHA PEL: 10 MG/M3/20 STEL
ACGIH TLV: 10 MG/M3 FUME; 9192
Other Recommended Limit: STEL-20 MG/M3 (FUME)

Proprietary: NO
Ingredient: PETROLEUM
Ingredient Sequence Number: 03
Percent: <80%
NIOSH (RTECS) Number: 1001480PG
CAS Number: 8009-03-8
OSHA PEL: NONE
ACGIH TLV: NONE

Proprietary: NO
Ingredient: HLTH HAZ/SUPP DATA:CAUSTIC,CAN CAUSE ULCERATION OF EXPOSED
SURF OF SKIN.INHAL MAY PRDCE SEV PNEUMIT RESULTING FROM IRRIT
Ingredient Sequence Number: 04
NIOSH (RTECS) Number: 9999999ZZ

Proprietary: NO
Ingredient: OF RESP TRACT.AMMONIUM CHLORIDE:NOT CONSIDERED SERIOUS INDUS

HAZ.SAX INDICATES IT TO BE MILD IRRIT TO SKIN&RESP PASSAGE

Ingredient Sequence Number: 05

NIOSH (RTECS) Number: 9999999ZZ

Proprietary: NO

Ingredient: W/ LOW GRADE SYSTEMIC TOX BY INGEST. LARGE QTYS OF FUME

SUGGESTED TO BE TOXIC BY INHAL.

Ingredient Sequence Number: 06

NIOSH (RTECS) Number: 9999999ZZ

Proprietary: NO

Ingredient: EFTS OF OVEREXP:OF BRTH;POSSIBLE MODEST INITIAL SYMP,FOLLOWED

IN HOURS BY SEV SHORTNESS OF BRTH,REQUIRING PROMPT MD

Ingredient Sequence Number: 07

NIOSH (RTECS) Number: 9999999ZZ

Proprietary: NO

Ingredient: ATTN; OR FATALITY FROM GROSS OVEREXP BY FUME INHAL OR BY

SIGNIFICANT INGEST.INCONCLUSIVE REPORTS OF HUMAN SENSIT.

Ingredient Sequence Number: 08

NIOSH (RTECS) Number: 9999999ZZ

Physical/Chemical Characteristics

Appearance And Odor: TAN/GOLD TO BLACK PASTE, NO APPRECIABLE ODOR

Boiling Point: N/A

Melting Point: 120F,49C

Vapor Pressure (MM Hg/70 F): N/A

Vapor Density (Air=1): N/A

Specific Gravity: 1.06

Evaporation Rate And Ref: N/A

Solubility In Water: INSOLUBLE

Fire and Explosion Hazard Data

Flash Point: 204C;ASTM D92

Extinguishing Media: FOAM, SAND, CO*2

Special Fire Fighting Proc: IF LARGE QUANTITIES ARE INVOLVED IN A FIRE, FIREFIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire And Expl Hazrds: WHEN HEATED THE MATERIAL MAY RELEASE ZINC CHLORIDE AND ZINC OXIDE FUMES.

Reactivity Data

Stability: YES

Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: MATERIAL MAY BE INCOMPATIBLE WITH NYLON AND/OR CELCON PLASTICS.CYANIDES MAY RELEASE HCN GSA WHEN MIXED W/ ZINC CHLORIDE.

Hazardous Decomp Products: ZINC CHLORIDE AND ZINC OXIDE FUMES.

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT RELEVANT

Health Hazard Data

LD50-LC50 Mixture: ZINC CHLORIDE LD50:(ORAL)350 MG/KG(RAT)

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: NO

Route Of Entry - Ingestion: NO

Health Haz Acute And Chronic: ZINC CHLORIDE COMPONENT:CAUSES BURNS.FUMES,

DUST,OR MIST MAY CAUSE INJ TO RESP TRACT.SEV EXPOS MAY CAUSE LUNG DMG.IN

EITHER SOLID OR SOLN FORM,CORR TO EYES&SKIN.TOXIC EFTS DESCRIBED IN ANIMALS FROM SHORT EXPOS INCLUDE CORR OF MUCOSAL SURF,LIVER&KIDNEY EFTS.TOX EFTS IN ANIMALS OCCURING ONLY W/INHAL EXPOS,(SEE SUPP DATA)

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT

Signs/Symptoms Of Overexp: ZINC CHLORIDE COMPONENT:EYE IRRIT W/ DISCOMFORT,TEARING/BLURRING OF VISION;SKIN IRRIT W/DISCOMFORT/RASH;OR IRRIT OF UPPER RESP PASSAGES.HIGHER EXPOS MAY LEAD TO:SKIN BURNS/ULCERATION;EYE IRRIT W/DISCOMFORT,TEARING/BLURRING OF VISION;TEMPORARY LUNG IRRIT EFTS W/ COUGH, DISCOMFORT, DFCLT BRTHG/SHORTNESS (SEE INGRED 7)

Med Cond Aggravated By Exp: DERMATITIS, RESPIRATORY DISEASES,

CONJUNCTIVITIS.PREEXISTING DISEASES OF THE LUNG.

Emergency/First Aid Proc: CALL PHYSICIAN IMMEDIATELY IN ALL CASES: EYE

FLUSH WITH WATER AND SOAP.INGEST:GIVE PLENTY OF WATER OR MILK.DO NOT INDUCE VOMIT.INHAL:REMOVE TO FRESH AIR.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: NEUTRALIZE WITH SODIUM CARBONATE OR TRI-SODIUM PHOSPHATE.

Neutralizing Agent: SEE ABOVE

Waste Disposal Method: FLUSH TO CHEMICAL WASTE DISPOSAL I/A/W FEDERAL, STATE, AND LOCAL REGULATIONS.

Precautions-Handling/Storing: FLUX IS A STABLE MATERIAL IN CLOSED CONTAINERS AT ROOM TEMPERATURE UNDER NORMAL STORAGE AND HANDLING CONDITIONS.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

Control Measures

Respiratory Protection: USE FUME OR AIR SUPPLIED RESPIRATOR WHEN SOLDERING IN CONFINED NON-VENTILATED SPACE.

Ventilation: LOCAL EXHAUST DURING SOLDERING AT THE FLAME SO AS TO CAPTURE ALL GASES AND FUMES.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: CHEMICAL WORKERS GOGGLES (FP N)

Other Protective Equipment: HEAD AND BODY PROTECTION WILL HELP TO PREVENT INJURY FROM SPLASHING, SPARKS OR FLAME.

Work Hygienic Practices: TRAIN EMPLOYEES TO KEEP HEAD OUT OF SOLDERING FUMES.

Suppl. Safety & Health Data: HLTH HAZ:ARE LOWER RESP IRRIT W/ PULM EDEMA. TESTS IN BACTERIAL /MAMMALIAN CELL CULTURES DEMONSTRATE MUTAGENIC ACTIVITY. TESTS IN SOME ANIMALS INDICATE THAT THE CMPD MAY HAVE EMBRYOTOXIC ACTIVITY. EXPOS TO FUME CAN CAUSE DMG TO MUC MEMB OF NASOPHARYNX&RESP TRACT.EXPO PERSONS HAVE EXPER PALE GRAY CYANOSIS.(SEE INGRED 4)

Transportation Data

Trans Data Review Date: 90355

DOT PSN Code: PZN

DOT Proper Shipping Name: ZINC CHLORIDE, SOLUTION

DOT Class: 8

DOT ID Number: UN1840

DOT Pack Group: III

DOT Label: CORROSIVE

IMO PSN Code: PRR

IMO Proper Shipping Name: ZINC CHLORIDE, SOLUTION

IMO Regulations Page Number: 8247

IMO UN Number: 1840

IMO UN Class: 8

IMO Subsidiary Risk Label: -

IATA PSN Code: ZRR

IATA UN ID Number: 1840

IATA Proper Shipping Name: ZINC CHLORIDE SOLUTION

IATA UN Class: 8

IATA Label: CORROSIVE

AFI PSN Code: ZRR

AFI Prop. Shipping Name: ZINC CHLORIDE, SOLUTION

AFI Class: 8

AFI ID Number: UN1840

AFI Pack Group: III

AFI Basic Pac Ref: 12-5

Disposal Data

Label Data

Label Required: YES

Technical Review Date: 13JUN91

Label Date: 13JUN91

Label Status: G

Common Name: NOKORODE SOLDERING PASTE

Chronic Hazard: YES

Signal Word: WARNING!

Acute Health Hazard-Moderate: X

Contact Hazard-Moderate: X

Fire Hazard-None: X

Reactivity Hazard-None: X

Special Hazard Precautions: ACUTE: CAUSES EYE IRRITATION. AVOID CONTACT WITH EYES. WASH THOROUGHLY AFTER HANDLING. HARMFUL IF INHALED OR SWALLOWED. AVOID BREATHING VAPORS. MAY CAUSE SKIN IRRITATION. AVOID CONTACT WITH SKIN. CHRONIC: MAY CAUSE LUNG DAMAGE.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y
Label Name: M W DUNTON CO
Label Street: 3 BRIDAL AVE
Label P.O. Box: 232
Label City: WEST WARWICK
Label State: RI
Label Zip Code: 02893-2901
Label Country: US
Label Emergency Number: 401-821-1832
