

FEDERAL PROCESS -- PLS2 PLASTIC LEAD SEAL
MATERIAL SAFETY DATA SHEET

FEDERAL PROCESS

AS OF January 1999

NSN: 803000N012275

Manufacturer's CAGE: 97785

Part No. Indicator: A

Part Number/Trade Name: PLS2 PLASTIC LEAD SEAL

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General Information
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Company's Name: FEDERAL PROCESS CO
Company's Street: 24400 HIGHPOINT ROAD
Company's City: CLEVELAND
Company's State: OH
Company's Country: US
Company's Zip Code: 44122
Company's Emerg Ph #: 216-464-6440;800-424-9300 (CHEMTREC)
Company's Info Ph #: 216-464-6440
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 002
Status: SE
Date MSDS Prepared: 24APR90
Safety Data Review Date: 21NOV94
Supply Item Manager: CX
MSDS Serial Number: BQPDK
Hazard Characteristic Code: F4

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: LEAD.ACGIH TLV IS FOR INORGANIC DUSTS AND FUMES AS PB.
Ingredient Sequence Number: 01
Percent: 80
NIOSH (RTECS) Number: OF7525000
CAS Number: 7439-92-1
OSHA PEL: 0.05 MG/M3
ACGIH TLV: 0.15 MG/M3
Other Recommended Limit: N/K (FP N/ORNL)

Proprietary: NO
Ingredient: VEGETABLE OILS.ACGIH TLV AND OSHA PEL ARE FOR VEGETABLE OIL
MIST.OSHA PEL:5 MG/M3 RESPIRABLE FRACTION.
Ingredient Sequence Number: 02
Percent: 18
NIOSH (RTECS) Number: ZA5800160
CAS Number: 8008-89-7
OSHA PEL: 15 MG/M3 TOTAL DUST
ACGIH TLV: 10 MG/M3
Other Recommended Limit: N/K (FP N/ORNL)

Proprietary: NO
Ingredient: N-BUTYL ALCOHOL
Ingredient Sequence Number: 03
Percent: 2
NIOSH (RTECS) Number: EO1400000
CAS Number: 71-36-3
OSHA PEL: 100 PPM

ACGIH TLV: S, C 50 PPM; 9293
Other Recommended Limit: N/K (FP N/ORNL)

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Physical/Chemical Characteristics
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Appearance And Odor: GRAY PASTE WITH AN ALCOHOL ODOR.
Boiling Point: 390F,199C
Melting Point: N/A
Vapor Pressure (MM Hg/70 F): 10 MMHG
Vapor Density (Air=1): 2.55=1
Specific Gravity: 3.7,WATER=1
Decomposition Temperature: N/K (FP N)
Evaporation Rate And Ref: 0.43,BUTYL ACETATE=1
Solubility In Water: NONE

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Fire and Explosion Hazard Data
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Flash Point: 110F,43C
Flash Point Method: PMCC
Lower Explosive Limit: SEE SUPP
Upper Explosive Limit: SEE SUPP
Extinguishing Media: CLASS B FIRE EXTINGUISHERS CARBON DIOXIDE,FOAM,OR DRY CHEMICAL.
Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).SMOTHER FLAMES-TREAT AS AN OIL FIRE.
Unusual Fire And Expl Hazrds: STRONG OXIDIZING AGENTS SUCH AS CHROMATES, PERCHLORATES,PERMAGANATES,AND PEROXIDES SHOULD NOT COME IN PHYSICAL CONTACT WITH PLASTIC LEAD SEAL.

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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): N/K (FP N/ORNL)
Materials To Avoid: STRONG OXIDIZING AGENTS SUCH AS CHROMATES, PERCHLORATES,PERMAGNANATES & PEROXIDES SHOULD NOT BE IN PHYSICAL CONT W/ PROD
Hazardous Decomp Products: N/A
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): WILL NOT OCCUR.

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Health Hazard Data
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LD50-LC50 Mixture: LD50 ORAL 20.2+/-4.3 G/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: LEAD KNOWN TO CAUSE REPRODUCTIVE DISORDERS (FEMALE,MALE,DEVELOPMENTAL) (CAL PROP 65,1987). NOTE: LEAD (CAS# 7439-92-1) APPEARS ON THE NAVY OCCUPATIONAL REPRODUCTIVE HAZARDS LIST. CONSULT APPROPRIATE HEALTH PROFESSIONALS CONCERNING LATEST HAZARD LIST INFORMATION AND SAFE HANDLING AND EXPOSURE RECOMMENDATIONS (FP N).
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: YES
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: LEAD & LEAD CMPDS,INORGANIC:INADEQ EVIDENCE FOR CARC IN HUMANS:SUFFICIENT EVID FOR CARC IN ANIMALS (IARC, GROUP2B, 1987)

Signs/Symptoms Of Overexp: EYES:MINIMAL IRRITATION.SKIN:NONIRRITATING.
INGESTION:N/K (FP N/ORNL).INHALATION:SAME AS NORMAL BUTYL ALCOHOL
POISONING-HEADACHE,DIZZINESS,NAUSEA.
Emergency/First Aid Proc: EYES:FLUSH WITH LARGE AMOUNTS OF WATER FOR AT
LEAST 15 MINUTES (FP N).SKIN:N/K (FP N/ORNL).INGESTION:GIVE EMETIC TO
INDUCE VOMITING AND TAKE PATIENT TO DOCTOR (SAME TREATMENT AS FOR LEAD
PERIODIC EVALUATION OF BLOOD LEAD LEVELS ARE WIDELY USED AS AN INDICATOR OF
EXCESS LEAD ABSORPTION.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: WIPE UP AS MUCH AS POSSIBLE.WASH AREA WITH
NORMAL BUTYL ALCOHOL.WASH WITH DETERGENT AND WATER.

Neutralizing Agent: N/K (FP N/ORNL)

Waste Disposal Method: DISP MUST BE IAW FED, STATE & LOCAL REGS (FP N).
DISPOSE OF LEAD IN SECURED LANDFILL.REFER TO EPA REGS 40 CFR PART 250 &
CONSULT REGIONAL EPA FOR PROPER DISP METHS.LEAD MAY BE PROHIBITED W/O
PERMISSION.LEAD & N-BUTYL ALCOHOL SARA TITLE III SECTION 313

Precautions-Handling/Storing: STORE IN A VENTILATED AREA MAINTAINED AT A
TEMPERATURE OF 20-100F,-6.67 TO 37.78C.WHEN NOT BEING USE KEEP CONTAINER
CLOSED TIGHTLY.

Other Precautions: PERIODIC EVALUATIONS OF BLOOD LEAD LEVELS ARE WIDELY
USED AS AN INDICATOR OF EXCESSIVE LEAD ABSORPTION. WOMEN IN THE WORKPLACE
ARE MORE LIKELY TO EXPERIENCE ADVERSE EFFECTS THAN MEN AS THEIR BLOOD
PRODUCING SYSTEM IS MORE LEAD (SUPP DATA)

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Control Measures

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Respiratory Protection: N/K (FP N/ORNL)

Ventilation: AT LEAST 3 MECHANICAL AIR CHANGES PER HOUR.LOCAL EXHAUST NOT
REQUIRED.

Protective Gloves: NOT REQUIRED,BUT SUGGESTED.

Eye Protection: NOT REQUIRED

Other Protective Equipment: NOT REQUIRED

Work Hygienic Practices: WASH HANDS W/ SOAP & WATER BEFORE EATING/SMOKING.
WASH IMMED IF PRODUCT GETS ON HANDS TO AVOID GETTING PROD IN MOUTH.

Suppl. Safety & Health Data: ROUTES OF ENTRY:SKIN/INGESTION (FP N). LOWER
EXPLOSIVE LIMIT:1.7% AT 212F,100C. UPPER EXPLOSIVE LIMIT:9.8% AT 212F,100C.
OTHER PRECAUTIONS: SENSITIVE. CONSIDER ADMINISTRATIVE REMOVAL OF PREGNANT
WOMEN (MFR).

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Transportation Data

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Trans Data Review Date: 93194

DOT PSN Code: GJL

DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.

DOT Class: 3

DOT ID Number: UN1993

DOT Pack Group: III

DOT Label: FLAMMABLE LIQUID

IMO PSN Code: HIA

IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o

IMO Regulations Page Number: 3345

IMO UN Number: 1993

IMO UN Class: 3.3

IMO Subsidiary Risk Label: -

IATA PSN Code: MCA

IATA UN ID Number: 1993
IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. *
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
AFI PSN Code: MCA
AFI Prop. Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
AFI Class: 3
AFI ID Number: UN1993
AFI Pack Group: III
AFI Basic Pac Ref: 7-7

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Disposal Data
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Label Data
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Label Required: P
Technical Review Date: 01APR91
Label Date: 01APR91
MFR Label Number: N/K (FP N/ORNL)
Label Status: F
Common Name: PLS2 PLASTIC LEAD SEAL
Signal Word: WARNING!
Acute Health Hazard-Slight: X
Contact Hazard-Moderate: X
Fire Hazard-Moderate: X
Reactivity Hazard-None: X
Special Hazard Precautions: FLAMMABLE. ACUTE:EYES:MINIMAL IRRITATION.
CONTAINS MATERIAL WHICH MAY CAUSE CANCER. NOTE: LEAD (CAS# 7439-92-1)
APPEARS ON THE NAVY OCCUPATIONAL REPRODUCTIVE HAZARDS LIST. SEEK
CONSULTATION FROM APPROPRIATE HEALTH PROFESSIONALS CONCERNING LATEST HAZARD
LIST INFORMATION AND SAFE HANDLING AND EXPOSURE RECOMMENDATIONS (FP N).
KNOWN TO CAUSE REPRODUCTIVE DISORDERS (FEMALE, MALE, DEVELOPMENTAL) (CAL
PROP 65,1987). KEEP CONTAINER CLOSED.USE WITH ADEQUATE VENTILATION.WASH
THOROUGHLY AFTER HANDLING.
Label Name: FEDERAL PROCESS CO
Label Street: 3737 PARK EAST,#208
Label City: CLEVELAND
Label State: OH
Label Zip Code: 44122-4307
Label Country: US
Label Emergency Number: 216-464-6440;800-424-9300(CHEMTREC)