

DOD Hazardous Materials Information System  
DoD 6050.5-L  
AS OF July 1998

FSC: 3439  
NIIN: 011549652  
Manufacturer's CAGE: 53472  
Part No. Indicator: A  
Part Number/Trade Name: OATEY #5 PASTE FLUX

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General Information  
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Item Name: SOLDER PASTE  
Company's Name: OATEY CO  
Company's Street: 4700 W. 160TH STREET  
Company's P. O. Box: 35906  
Company's City: CLEVELAND  
Company's State: OH  
Company's Country: US  
Company's Zip Code: 44135-2632  
Company's Emerg Ph #: 216-267-7100 OR 303-623-5716 COLLEC  
Company's Info Ph #: 216-267-7100  
Distributor/Vendor # 1: KAMPI COMPONENTS CO (215-788-2055)  
Distributor/Vendor # 1 Cage: 7Z016  
Distributor/Vendor # 2:  
Distributor/Vendor # 2 Cage:  
Distributor/Vendor # 3:  
Distributor/Vendor # 3 Cage:  
Distributor/Vendor # 4:  
Distributor/Vendor # 4 Cage:  
Safety Data Action Code:  
Safety Focal Point: D  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SE  
Date MSDS Prepared: 17FEB95  
Safety Data Review Date: 27MAR95  
Supply Item Manager: CX  
MSDS Preparer's Name: UNKNOWN  
Preparer's Company:  
Preparer's St Or P. O. Box:  
Preparer's City:  
Preparer's State:  
Preparer's Zip Code:  
Other MSDS Number:  
MSDS Serial Number: BTRXK  
Specification Number: NONE  
Spec Type, Grade, Class: NONE  
Hazard Characteristic Code: N1  
Unit Of Issue: EA  
Unit Of Issue Container Qty: UNKNOWN  
Type Of Container: UNKNOWN  
Net Unit Weight: 1 POUND

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NRC/State License Number: NONE  
Net Explosive Weight: N/R  
Net Propellant Weight-Ammo: NONE  
Coast Guard Ammunition Code: N/R

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Ingredients/Identity Information  
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Proprietary: NO  
 Ingredient: PETROLATUM (GREASE, PETROLEUM)  
 Ingredient Sequence Number: 01  
 Percent: 65-75  
 Ingredient Action Code:  
 Ingredient Focal Point: D  
 NIOSH (RTECS) Number: 1001480PG  
 CAS Number: 8009-03-8  
 OSHA PEL: NOT ESTABLISHED  
 ACGIH TLV: NOT ESTABLISHED  
 Other Recommended Limit: NONE SPECIFIED

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Proprietary: NO  
 Ingredient: ZINC CHLORIDE (SARA III)  
 Ingredient Sequence Number: 02  
 Percent: 20-25  
 Ingredient Action Code:  
 Ingredient Focal Point: D  
 NIOSH (RTECS) Number: ZH1400000  
 CAS Number: 7646-85-7  
 OSHA PEL: 1 MG/M3  
 ACGIH TLV: 1MG/M3/2STEL(FUME)94  
 Other Recommended Limit: NONE SPECIFIED

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Proprietary: NO  
 Ingredient: AMMONIUM CHLORIDE (SARA III)  
 Ingredient Sequence Number: 03  
 Percent: 1-5  
 Ingredient Action Code:  
 Ingredient Focal Point: D  
 NIOSH (RTECS) Number: BP4550000  
 CAS Number: 12125-02-9  
 OSHA PEL: 10 MG/M3  
 ACGIH TLV: 10 MG/M3 FUME; 9394  
 Other Recommended Limit: NONE SPECIFIED

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Physical/Chemical Characteristics

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Appearance And Odor: YELLOW PASTE VERY LITTLE ODOR  
 Boiling Point: 337F,169C  
 Melting Point: UNKNOWN  
 Vapor Pressure (MM Hg/70 F): UNKNOWN  
 Vapor Density (Air=1): >1  
 Specific Gravity: UNKNOWN  
 Decomposition Temperature: UNKNOWN  
 Evaporation Rate And Ref: UNKNOWN

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Solubility In Water: NEGLIGIBLE  
 Percent Volatiles By Volume: 7-10  
 Viscosity: UNKNOWN  
 pH: N/K  
 Radioactivity: N/R  
 Form (Radioactive Matl):  
 Magnetism (Milligauss): N/P  
 Corrosion Rate (IPY): UNKNOWN  
 Autoignition Temperature: N/K

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Fire and Explosion Hazard Data

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Flash Point: 540F,282C  
Flash Point Method: N/P  
Lower Explosive Limit: UNKNOWN  
Upper Explosive Limit: UNKNOWN  
Extinguishing Media: SMALL FIRE-DRY CHEMICAL, CO2, WATER, FOAM. LARGE  
FIRE-EVACUATE & CALL FIRE DEPARTMENT.  
Special Fire Fighting Proc: DLA-HMIS: FIREFIGHTERS SHOULD WEAR FULL  
PROTECTIVE CLOTHING INCLUDING POSITIVE-PRESSURE SELF-CONTAINED BREATHING  
APPARATUS.  
Unusual Fire And Expl Hazrds: NONE SPECIFIED BY MANUFACTURER.  
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Reactivity Data

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Stability: YES  
Cond To Avoid (Stability): NONE.  
Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomp Products: HYDROCARBONS, HYDROGEN CHLORIDE, SMOKE, CARBON  
DIOXIDE AND CARBON MONOXIDE.  
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 RAT) IS UNKNOWN  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: YES  
Health Haz Acute And Chronic: ACUTE: FUMES MAY CAUSE "METAL FUME FEVER"  
AND/OR RESPIRATORY IRRITATION IF INHALED. CONTACT MAY CAUSE SKIN AND EYE  
IRRITATION, BURNS, CORNEAL DAMAGE, DERMATITIS. INGESTION MAY CAUSE BURNS TO  
MOUTH & THROAT, GI TRACT DISTURBACES, KIDNEY DISEASE, SHOCK & DEATH.  
CHRONIC: NONE SPECIFIED BY MANUFACTURER.  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: NONE OF THE INGREDIENTS OF THIS PRODUCT ARE  
BY IARC, NTP OR OSHA AS A CARCINOGEN.  
Signs/Symptoms Of Overexp: EYES:IRRITATION, BURNS, & CORNEAL DAMAGE.  
SKIN:IRRITATION, BURNS, & DERMATITIS. INHALATION:RESPIRATORY IRRITATION,  
FEVER, CHILLS, MUSCULAR PAIN, VOMITING, & SWEATING. INGESTION:BURNS OF  
MOUTH & THROAT, VOMITING, DIARRHEA, STRICTURES, KIDNEY DISEASE, SHOCK, &  
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DEATH.

Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.  
Emergency/First Aid Proc: SKIN:WASH THOROUGHLY W/SOAP & WATER. EYE: FLUSH  
W/WATER 15 MIN. IF IRRITATION PERSISTS, OR EYE IS STRUCK BY WIRE GET  
IMMEDIATE MEDICAL ATTENTION. INHALED:MOVE TO FRESH AIR. SUPPORT OR RESTORE  
BREATHING IF NEEDED. KEEP WARM & QUIET. CALL POISON CONTROL CENTER.  
INGESTED:DRINK WATER & CALL A POISON CONTROL CENTER OR DOCTOR IMMEDIATELY.  
AVOID ALCOHOLIC BEVERAGES. GIVE NOTHING BY MOUTH IF UNCONSCIOUS.  
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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: VENTILATE AREA & STOP LEAK IF IT CAN BE DONE  
WITHOUT RISK. TAKE UP WITH SAND/EARTH/OTHER ABSORBING MATERIAL & PLACE IN A  
CLEAN, DRY LEAK-PROOF CONTAINER.  
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.  
Waste Disposal Method: DISPOSE OF ACCORDING TO LOCAL, STATE, & FEDERAL  
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## REGULATIONS.

Precautions-Handling/Storing: DO NOT STORE NEAR HEAT.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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Control Measures

Respiratory Protection: IF SOLDERING IN AN ENCLOSED AREA, USE NIOSH APPROVED CANISTER.

Ventilation: MECHANICAL:USE IN CLOSED AREAS. LOCAL EXHAUST:OPEN DOORS &amp; WINDOWS.

Protective Gloves: RUBBER GLOVES

Eye Protection: SAFETY GLASSES W/SHIELDS

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: NORMAL AND GOOD HYGIENE PRACTICES.

Suppl. Safety & Health Data: NONE  
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## Transportation Data

Transportation Action Code:

Transportation Focal Point: D

Trans Data Review Date: 95086

DOT PSN Code: ZZZ

DOT Symbol: N/R

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

DOT Class: N/R

DOT ID Number: N/R

DOT Pack Group: N/R

DOT Label: N/R

DOT/DoD Exemption Number: N/R

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

IMO Regulations Page Number: N/R

IMO UN Number: N/R

IMO UN Class: N/R

IMO Subsidiary Risk Label: N/R

IATA PSN Code: ZZZ

IATA UN ID Number: N/R

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IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

IATA UN Class: N/R

IATA Subsidiary Risk Class: N/R

IATA Label: N/R

AFI PSN Code: ZZZ

AFI Symbols:

AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

AFI Class: N/R

AFI ID Number: N/R

AFI Pack Group: N/R

AFI Label: N/R

AFI Special Prov:

AFI Basic Pac Ref:

MMAC Code:

N.O.S. Shipping Name:

Additional Trans Data: MFR SUPPLIED THE PROPER SHIPPING NAME.  
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## Disposal Data

Disposal Data Action Code:

Disposal Data Focal Point:

Disposal Data Review Date:  
Rec # For This Disp Entry:  
Tot Disp Entries Per NSN:  
Landfill Ban Item:  
Disposal Supplemental Data:  
1st EPA Haz Wst Code New:  
1st EPA Haz Wst Name New:  
1st EPA Haz Wst Char New:  
1st EPA Acute Hazard New:  
2nd EPA Haz Wst Code New:  
2nd EPA Haz Wst Name New:  
2nd EPA Haz Wst Char New:  
2nd EPA Acute Hazard New:  
3rd EPA Haz Wst Code New:  
3rd EPA Haz Wst Name New:  
3rd EPA Haz Wst Char New:  
3rd EPA Acute Hazard New:

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Label Data  
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Label Required: YES  
Technical Review Date: 27MAR95  
Label Date:  
MFR Label Number: NONE  
Label Status: F  
Common Name: OATEY #5 PASTE FLUX  
Chronic Hazard: NO  
Signal Word: CAUTION!  
Acute Health Hazard-None:  
Acute Health Hazard-Slight: X  
Acute Health Hazard-Moderate:  
Acute Health Hazard-Severe:

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Contact Hazard-None:  
Contact Hazard-Slight: X  
Contact Hazard-Moderate:  
Contact Hazard-Severe:  
Fire Hazard-None:  
Fire Hazard-Slight: X  
Fire Hazard-Moderate:  
Fire Hazard-Severe:  
Reactivity Hazard-None: X  
Reactivity Hazard-Slight:  
Reactivity Hazard-Moderate:  
Reactivity Hazard-Severe:  
Special Hazard Precautions: FUMES MAY CAUSE "METAL FUME FEVER" AND/OR  
RESPIRATORY IRRITATION IF INHALED.CONTACT MAY CAUSE SKIN & EYE IRRITATION,  
BURNS,CORNEAL DAMAGE,DERMATITIS.INGESTION MAY CAUSE BURNS TO MOUTH &  
THROAT, GI TRACT DISTURBANCES,KIDNEY DISEASE,SHOCK & DEATH.FIRST AID:SKIN:  
WASH THOROUGHLY W/SOAP & WATER.EYE:FLUSH W/WATER 15 MIN.IF IRRITATION  
PERSISTS, GET IMMEDIATE MEDICAL ATTENTION.INHALED:MOVE TO FRESH AIR.RESTORE  
BREATHING IF NEEDED. INGESTED:DRINK WATER & CALL A POISON CONTROL CENTER OR  
DOCTOR IMMEDIATELY. AVOID ALCOHOLIC BEVERAGES. GIVE NOTHING BY MOUTH IF  
UNCONSCIOUS. TARGET ORGANS: SKIN, EYES, CNS.  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: OATEY CO  
Label Street: 4700 W. 160TH STREET

Label P.O. Box: 35906  
Label City: CLEVELAND  
Label State: OH  
Label Zip Code: 44135-2632  
Label Country: US  
Label Emergency Number: 216-267-7100 OR 303-623-5716 COLLEC  
Year Procured: 1986