

IBM CORPORATION -- 1280441 GREASE NO. 23 -- 9150-01-108-5672

===== Product Identification =====

Product ID:1280441 GREASE NO. 23
MSDS Date:03/08/1995
FSC:9150
NIIN:01-108-5672
MSDS Number: CBSGP
=== Responsible Party ===
Company Name:IBM CORPORATION
Address:OLD ORCHARD ROAD
City:ARMONK
State:NY
ZIP:10504-1709
Country:US
Info Phone Num:800-IBM-4333
Emergency Phone Num:615-366-2000/FAX 214-280-3903
CAGE:30874

===== Contractor Identification =====

Company Name:IBM CORPORATION
Address:OLD ORCHARD ROAD
City:ARMONK
State:NY
ZIP:10504-1709
Country:US
Phone:800-426-4333/FAX 214-280-3903
CAGE:30874
Company Name:IBM PARTS ORDER CENTER (303-924-4395)
Box:UNKNOW
CAGE:0B4D7

===== Composition/Information on Ingredients =====

Ingred Name:SEVERLY HYDROTREATED HEAVY NAPHTHENIC DISTILLATE
CAS:64742-52-5
RTECS #:PY8035000
Fraction by Wt: 90%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/CUM, OIL MIST
ACGIH TLV:5 MG/CUM, OIL MIST

Ingred Name:BENTONITE (INORGANIC CLAY)
CAS:1302-78-9
RTECS #:CT9450000
Fraction by Wt: 5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 (DUST)
ACGIH TLV:5 MG/M3 (DUST)

Ingred Name:FATTY ACID AMINES
CAS:68910-93-0
Fraction by Wt: 4%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM NITRITE (SARA III) (LISTED BY MANUFACTURER AS "OTHER COMPONENTS)
CAS:7632-00-0
RTECS #:RA1225000
Fraction by Wt: 1%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:QUARTZ-IF BENTONITE CLAY HAS MORE THAN 1% QUARTZ USE THESE LIMITS

CAS:1408-60-7

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG/M3 (R. DUST)

ACGIH TLV:0.1 MG/M3 (R. DUST)

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION OF VAPORS/MISTS/DUST
MAY CAUSE RESPIRATORY IRRITATION. CONTACT MAY CAUSE MILD SKIN AND
EYE IRRITATION. NO DATA AVAILABLE ON INGESTION HAZARDS. CHRONIC:
PROLONGED OR REPEATED EXPOSURE MAY CAUSE CANCER.
Explanation of Carcinogenicity:BENTONITE CONTAINS QUARTZ WHICH IS
LISTED AS AN ANTICIPATED CARCINOGEN BY IARC AND NTP.
Effects of Overexposure:EYE: MILD IRRITATION. SKIN: MILD IRRITATION.
INHALED-RESPIRATORY TRACT IRRITATION, HEADACHE, NAUSEA, WEAKNESS,
CONFUSION.
Medical Cond Aggravated by Exposure:PREEXISTING SKIN CONDITIONS, ASTHMA
AND LUNG DISEASE. SUSCEPTIBLE PERSONS MAY HAVE ALLERGIC REACTION.

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===== First Aid Measures =====

First Aid:IN ALL CASES GET IMMEDIATE MEDICAL ATTENTION. INHALED-REMOVE
FROM EXPOSURE TO FRESH AIR. PERFORM ARTIFICIAL RESPIRATION IF
NEEDED. KEEP PERSON WARM & AT REST. SKIN-REMOVE CONTAMINATED
CLOTHES/SHOES. WASH WITH SOAP & WATER. EYES-FLUSH WITH LOTS OF
WATER, LIFT LIDS FOR 15 MINUTES. INGESTED-TREAT SYMPTOMATICALLY AND
SUPPORTIVELY. GET IMMEDIATE MEDICAL ATTENTION.

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===== Fire Fighting Measures =====

Flash Point Method:PMCC
Flash Point:464F,240C
Extinguishing Media:WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM.
Fire Fighting Procedures:MOVE CONTAINER FROM FIRE AREA IF CAN BE DONE
W/O RISK. WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED
SELF CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:DIKE FIRE CONTROL WATER FOR LATER
DISPOSAL. AVOID BREATHING VAPORS, KEEP UPWIND.

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===== Accidental Release Measures =====

Spill Release Procedures:STOP LEAK IF CAN BE DONE WITHOUT RISK. TAKE UP
WITH SAND OR OTHER ABSORBENT MATERIAL AND PLACE INTO CLEAN, DRY
CONTAINERS FOR LATER DISPOSAL. KEEP UNNECESSARY PEOPLE AWAY. ISOLATE
HAZARD AREA AND DENY ENTRY.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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===== Handling and Storage =====

Handling and Storage Precautions:STORE AWAY FROM INCOMPATIBLE
MATERIALS. DO NOT STORE NEAR HEAT OR FLAME. KEEP CONTAINERS CLOSED
WHEN NOT IN USE.
Other Precautions:DO NOT BREATHE VAPOR OR MIST. DO NOT GET IN EYES, ON
SKIN OR CLOTHING. WASH THOROUGHLY AFTER HANDLING. USE ONLY WITH
ADEQUATE VENTILATION.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves:NITRILE.

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER. DLA-HMIS: EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON .

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

MSDS PRESENTED BY CAGE 0B4D7 FOR CONTRACT NUMBER SP0451-96-MQ591.

===== Physical/Chemical Properties =====

HCC:V6

Boiling Pt:B.P. Text:601F,316C

Vapor Pres:0.01 MM HG

Spec Gravity:0.88

Solubility in Water:INSOLUBLE

Appearance and Odor:BROWN-AMBER COLORED SMOOTH GREASE - SLIGHT PETROLEUM ODOR

Percent Volatiles by Volume:0

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG REDUCING AGENTS, ACIDS.

Stability Condition to Avoid:AVOID CONTACT WITH STRONG OXIDIZING AGENTS, HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION.

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE CARBON MONOXIDE AND CARBON DIOXIDE.

Conditions to Avoid Polymerization:HAZARDOUS POLYMERIZATION HAS NOT BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURES.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

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