

IBM CORPORATION -- 0625177 (1280441) GREASE 23 -- 9150-01-108-5672  
===== Product Identification =====

Product ID:0625177 (1280441) GREASE 23

MSDS Date:02/01/1990

FSC:9150

NIIN:01-108-5672

MSDS Number: BMGSB

=== 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:800-426-4333/FAX 2

14-280-3903

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

===== 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:BENTON

ITE (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

=====  
Hazards

Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-EYES:MILD

IRRITATION.SKIN:IRRITATION. RELEASE DURING HIGH PRESSURE USAGE MAY  
RESULT IN INJECTION & NECROSIS. INHALATION:VAPORS MAY CAUSE  
RESPIRATORY TRACT IRRITATION,HEADACHE,NAUSEA, WEAKNESS,CO  
NFUSION.INGESTION:UNKNOWN.CHRONIC-SKIN:POSSIBLE RASH,DERMATITIS,  
OIL ACNE; ASTHMA & LUNG DISEASE;

ALLERGIC REACTION.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A CARCINOGEN OR SUPECTED CARCINOGEN.

Effects of Overexposure:MILD EYE IRRITATION. SKIN IRRITATION. VAPORS  
MAY CAUSE RESPIRATORY TRACT IRRITATION, HEADACHE, NAUSEA, WEAKNESS,  
CONFUSION.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN DISORDERS, ASTHMA  
AND LUNG DISEASE MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

=====  
First Aid Measures ===

=====  
First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. INHALATION:REMOVE TO FRESH AIR.PROVIDE ARTIFICIAL RESPIRATION/OXYGEN IF NEEDED.INGESTION:DO NOT INDUCE VOMITING.CALL PHYSICIAN.EYE:FLUSH WITH WATER FOR 15 MI NUTES, HOLDING EYELIDS OPEN.SKIN:WIPE EXCESS OFF.WASH WITH SOAP & WATER.

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

Flash Point Method:PMCC

Flash Point:464F,240C

Extinguishing Media:USE FOAM, CARBON DIOXIDE, OR DRY CHEMICAL . WATER

MAY CAUSE FROTHING.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:VENTILATE AREA. ELIMINATE ALL SOURCES OF IGNITION. COVER WITH ABSORBENT MATERIAL AND COLLECT. CLEAN AREA WITH APPROPRIATE CLEANER.

Neutralizing Agent:NONE SP ECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,VENTILATED PLACE.KEEP AWAY FROM OPEN FLAMES,HEAT,SPARKS & STRONG OXIDIZERS.

Other Precautions:MINIMIZE SKIN CONTACT. WASH WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES , INCLUDING SHOES,THAT CANNOT BE CLEA NED

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE A NIOSH-APPROVED RESPIRATOR IF NEEDED.

Ventilation:LOCAL EXHAUST

Protective Gloves:NITRILE

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEA

R CONTAMINATED CLOTHING OR  
FOOTWEAR.

Supplemental Safety and Health

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

HCC:V6

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

Vapor Pres:0.01 MM HG

Spec Gravity:0.88 (WATER=1)

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 OXIDIZI

NG AGENTS, STRONG ACIDS

Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAMES AND OTHER  
SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE

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

Waste Disposal Methods:PLACE IN AN APPROVED DISPOSAL FACILITY FOR  
CHEMICAL LANDFILL, INCINERATION. DISPOSE OF IN COMPLIANCE WITH ALL  
LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies  
):

This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.