

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

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===== 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

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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.

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First Aid Measures ===

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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 SPECIFIED 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. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES , INCLUDING SHOES, THAT CANNOT BE CLEANED

===== 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 WEAR

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.

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