

ELECTRON MICROSCOPIC SCIENCE -- DAG 154 -- 9150-01-101-1061

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Product Identification  
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Product ID:DAG 154

MSDS Date:01/07/1991

FSC:9150

NIIN:01-101-1061

MSDS Number: BPGDZ

=== Responsible Party ===

Company Name:ELECTRON MICROSCOPIC SCIENCE

Address:321 MORRIS ROAD

Box:251

City:FT. WASHINGTON

State:PA

ZIP:19034

Country:US

Info Phone Num:215-646-1566

Emergency Phone Num:215-646-1566

CAGE:4G9

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=== Contractor Identification ===

Company Name:ELECTRON MICROSCOPY SCIENCES

Address:321 MORRIS ROAD

Box:251

City:FORT WASHINGTON

State:PA

ZIP:19034

Country:US

Phone:215-646-1566

CAGE:4G905

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Composition/Information on Ingredients  
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Ingred Name:GRAPHITE, NATURAL

CAS:7782-42-5

RTECS #:MD9659600

Fraction by Wt: 15.4%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MPPCF RDUST

ACGIH TLV:2 MG/M3 RDUST; 9293

Ingred Name:N-BUTYL ALCOHOL (SARA III)

CAS:71-36-3

RTECS #:EO14

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Fraction by Wt: 5.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:S, C 50 PPM; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:PROPYLENE GLYCOL MONOMETHYL ETHER

CAS:107-98-2

RTECS #:UB7700000

Fraction by Wt: 5.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:100 PPM/150STEL;9293

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 66.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM/500 STEL

ACGIH T

LV:400 PPM/500STEL;9293

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHALATION: EXCESSIVE INHALATION OF VAPORS OR MIST CAN CAUSE NASAL AND RESPIRATORY IRRITATION.

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION. EYE: CAN CAUSE SEVERE IRRITATION. SKIN: SEVERE OR PROLONGED CONTACT CAN CAUSE IRRITATION AND DERMATITIS.

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Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:INHALATION: HEADACHE, DIZZINESS AND NAUSEA.

INGESTION: NAUSEA, VOMITING AND DIARRHEA. EYE: BURNING SENSATION, BLURRED VISION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH RUNNING WATER

R FOR 15 MINUTES WHILE HOLDING

EYELIDS OPEN. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ADVICE. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF HARD TO BREATHE. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: KEEP INDIVIDUAL CALM AND SEEK MEDICAL ATTENTION IMMEDIATELY

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Fire Fighting Measures  
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Flash Point Method:TCC

Flash Poi

nt:52.0F,11.1C

Autoignition Temp:Autoignition Temp Text:NONE

Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:SELF CONTAINED BREATHING SUPPLY.

Unusual Fire/Explosion Hazard:KEEP AWAY FROM SPARKS, OPEN FLAMES OR OTHER SOURCES OF IGNITION.

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Accidental Release Measures  
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Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION AND VENTILATE AREA, APPLY ABSORBENT MATERIAL AND TRANSFER TO CONTAINERS.

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Handling and Storage  
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Handling and Storage Precautions:AVOID PROLONGED INHALATION OF MIST OR VAPORS.

Other Precautions:NONE

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Exposure Controls/Personal Protection  
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Respiratory Protection:IF THE TLV OF THE PRODUCT IS EXCEEDED, A MECHANICAL OR SELF-CONTAINED BREATHING APPARATUS IS ADVISED.

Ventilation:PROVIDE SUFFICIENT LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:WEAR SOLVENT RESISTANT GLOVES

Eye Protection:W

EAR CHEMICAL SPLASH GOGGLES

Other Protective Equipment:NO SPECIAL EQUIPMENT DEEMED NECESSARY UNDER NORMAL USAGE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE

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Physical/Chemical Properties  
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HCC:F2

Vapor Pres:31.00

Spec Gravity:0.89

Solubility in Water:PARTIAL

Appearance and Odor:GREY FLUID, SHARP ODOR.

Percent Volatil

es by Volume:80%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE

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

Waste Disposal Methods:CONSULT WITH FEDERAL, STATE AND LOCAL  
REGULATIONS.

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