

DIAGRAPH CORP -- 1300466, R-1 BLACK INK -- 7510-01-117-5206

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

Product ID:1300466, R-1 BLACK INK

MSDS Date:06/26/1991

FSC:7510

NIIN:01-117-5206

MSDS Number: BMZKV

=== Responsible Party ===

Company Name:DIAGRAPH CORP

Address:RT 148 & OGDEN RD

Box:520

City:HERRIN

State:IL

ZIP:62948

Country:US

Info Phone Num:618-997-3321

Emergency Phone Num:618-997-3321

Preparer's Nam

e:W. R. MCMILLEN

CAGE:IO074

=== Contractor Identification ===

Company Name:DIAGRAPH CORP

Address:3401 RIDER TRAILS S

Box:520

City:EARTH CITY

State:MO

ZIP:63045-1110

Country:US

Phone:314-739-1221

CAGE:90316

Company Name:DIAGRAPH CORP

Box:520

City:HERRIN

State:IL

ZIP:62948

Country:US

Phone:618-997-3321

CAGE:IO074

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

Ingred Name:2-PENTANONE, 4-HYDROXY-4-METHYL-; (2-PENTANONE, 4-HYDROXYL,
4-METHYL; (DIACETONE ALCOHOL). LD50:(ORA

L,RAT) 4000 MG/KG
CAS:123-42-2
RTECS #:SA9100000
Fraction by Wt: 80-100%
OSHA PEL:50 PPM
ACGIH TLV:50 PPM

Ingred Name:DIETHYLENE GLYCOL. LD50:(ORAL,RAT) 1000 MG/KG
CAS:111-46-6
RTECS #:ID5950000
Fraction by Wt: 0-20%

Ingred Name:2,4-PENTANEDIOL, 2-METHYL-; (HEXYLENE GLYCOL).
LD50:(ORAL,RAT) 4.70 MG/KG
CAS:107-41-5
RTECS #:SA0810000
Fraction by Wt: 0-20%
OSHA PEL:25 PPM, C
ACGIH TLV:25 PPM, C

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

LD50 LC50 Mixture:SEE INGRED
IENT

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EXPOSURE: SKIN: MAY CAUSE DERMATITIS
AND IRRITATION. EYE: MAY CAUSE IRRITATION AND BLURRED VISION.
INHAL: MAY CAUSE IRRITATION, DIZZINESS, FATIGUE, VOMITING,
DIARRHEA. INGEST: MAY CAUSE VOMITING, IRRITATION AND NAUSEA.
OVEREXPOSURE: MAY CAUSE LIVER AND KIDNEY DAMAGE.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:
SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN: WASH THOROUGHLY WITH SOAP AND WATER. EYES: FLUSH WITH
WATER FOR AT LEAST 15 MINUTES. CALL MD. INHAL: PROVIDE FRESH AIR
AND REST. CALL MD. INGEST: DRINK SEVERAL GLASSES OF WATER, INDUCE
VOMITING. CALL MD. OTHER: CALL MD.

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

Flash Point Method:CC

Flash Point:113F,45C

Lower Limits:0.9%

Extinguishing Media:FOAM, CO*2, DRY CHEMICAL.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . A STRAIGHT STREAM OF WATER COULD SPREAD FIRE.

Unusual Fire/Explosion Hazard:VAPOR ACCUMULATION WILL FLASH AND/OR EXPLODE IF IGNITED. HAZ COMBUST PRODUCTS: CO*2, CO, HYDROCARBONS.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. ABSORB ON

INERT MATERIAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE AWAY FROM ALL SOURCES OF IGNITION.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:NIOSH/MSHA APPROVED ORGANIC VAPOR RESPIRATOR.

Ventilation:NEEDED TO KEEP VAPOR CONCENTRATION BELOW TLV LEVEL.

Protective

Gloves:NON-ABSORBENT GLOVES RECOMMENDED.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:OIL RESISTANT FOOTWEAR. USE OTHER CLOTHING AS NEEDED.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

Boiling Pt:B.P. Text:340F,171C

Vapor Density:HIGHER/AIR

Spec Gravity:0.9552 78F

Evaporation Rate & Reference:SLOWER THAN BUTYL ACETATE

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pearance and Odor:BLACK LIQUID WITH A SOLVENT ODOR.
Percent Volatiles by Volume:96(WT)

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS AND CAUSTIC MATERIALS.
Stability Condition to Avoid:AVOID OPEN FLAMES & SPARKS.
Hazardous Decomposition Products:CO*2, CO, HYDROCARBONS.

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

Waste Disposal Methods:COMPLY WITH FEDERAL, STATE AND LOCAL
REGUL
ATIONS.

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