

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 Name

: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:(ORAL

,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

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

LD50 LC50 Mixture:SEE INGREDI
ENT

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:S

EE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== 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.

===== 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

App

Appearance 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
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.