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 SECTION I - PRODUCT IDENTIFICATION

Manufacturer: FERRO CORPORATION - PDI
 54 Kellogg Court
 Edison NJ 08817
 Information Phone: 1-908-287-1930
 Emergency Phone: 1-216-641-5324
 CHEMTREC Phone: 1-800-424-9300
 Product Class: ! HMIS Hazard Ratings: Health - 0
 Trade Name : BLACK ! none -> extreme Fire - 1
 Product Code : 33-81023 ! 0 ---> 4 Reactivity - 0
 C.A.S. Number: MIXTURE !
 Customer's No: 33-81023 ! Personal Protection - B

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 SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits	VP
			ACGIH/TLV	OSHA/PEL mm HG
Carbon Black	1333-86-4	5-20	3.5 mg/M3	3.5 mg/M3 N/AP

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory.

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 SECTION III - PHYSICAL DATA

Boiling Range: 250 - 250 Deg. C
 Evap. Rate: Non Volatile
 Volatiles vol % 0.0 Wgt% 0.0
 Vapor Density: Heavier than Air.
 Liquid Density: Heavier than Water.
 Wgt per gallon: 10.00 Pounds.
 Spec. Gravity: 1.20048
 Appearance: VISCOUS BLACK/GREY LIQUID OR PASTE

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 SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: Flash Point: 187.8 C TOC LEL: UEL: 0.00%
 -EXTINGUISHING MEDIA:

Use foam, carbon dioxide or dry chemical

-SPECIAL FIREFIGHTING PROCEDURES

Extinguish flame from perimeter inward to main body of fire.
 Etinguisher Media:ABC Extinguisher,Carbon Dioxide,Foam,Water.

Special fire fighting procedures:

Water or foam may cause frothing when applied to liquids having
 flash points above 100 degrees C. The frothing may be quite
 violent and endanger the life of the firefighter particularly
 when solid streams are directed into the hot burning liquid.

ESTER POLYOL: Firefighters must be equipped to prevent breath-
 ing of vapors or products of combustion. Wear an approved self-
 contained breathing apparatus and protective clothing.

If the material contains Carbon then wear a self-contained
 breathing apparatus for protection against possible exposure
 to Co or Co2 during a fire.

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA (cont.)

-UNUSUAL FIRE & EXPLOSION HAZARDS:

Carbon monoxide and carbon dioxide are products of combustion from Carbon Black. It may not be obvious that the Carbon Black is burning unless the material is stirred and sparks are apparent.

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SECTION V - HEALTH HAZARD DATA

-PERMISSIBLE EXPOSURE LEVEL:

See section II

-EFFECTS OF OVEREXPOSURE:

CARBON BLACK:

ACUTE: If the TLV of Carbon dust is exceeded, mechanical overloading of respiratory passages and eye irritation is possible.

CHRONIC: Nuisance dust effects only--although Carbon Black can contain traces of polynuclear aromatic compounds (PNA), some of which in isolation may be carcinogenic, these are very strongly adsorbed on the Carbon Black particles. Evidence currently indicates such adsorption renders them biologically inactive. Carbon Black is not considered a potential carcinogen by IARC or OSHA nor is it listed in NTP Annual Report on Carcinogens. Epidemiological studies of workers in this industry have shown no significant health effects due to occupational exposure.

-FIRST AID:

INGESTION: Induce vomiting - Consult physician

EYE CONTACT: Flush well with cold water - Consult physician

SKIN CONTACT: Immediately wash skin with soap and plenty of water. Remove contaminated clothing and shoes. Wash or clean before reuse.

Inhalation of Carbon dust: Remove to fresh air.

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SECTION VI - REACTIVITY DATA

STABILITY: [] Unstable [x] Stable

HAZARDOUS POLYMERIZATION: [] May occur [x] Will not occur

-INCOMPATIBILITY:

ESTER POLYOL: Strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

-CONDITIONS TO AVOID:

Keep materials with ester polyol from strong oxidizers.

CARBON: Excessive heat or flame. May react upon contact with strong oxidizers such as chlorates, bromates and nitrates.

-HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion will produce carbon dioxide and carbon monoxide.

CARBON: Carbon monoxide, carbon dioxide and small amounts of sulfur containing gases when burning.

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SECTION VII - SPILL OR LEAK PROCEDURES

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- STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Confine spill. Transfer to secure containers where necessary,
Collect using absorbent media. Flush area with hot water and
detergent.
- WASTE DISPOSAL METHOD:
Dispose of in accordance with Federal, State and Local
regulations.
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SECTION VIII - SPECIAL PROTECTION INFORMATION:

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- RESPIRATORY PROTECTION:
Where dust may be present, an approved NIOSH/MSHA dust
respirator is recommended.
- VENTILATION:
Mechanical Ventilation Suggested.
- PROTECTIVE GLOVES:
Chemical workers gloves is recommended.
- EYE PROTECTION:
Chemical goggles as needed to prevent eye contact.
- OTHER PROTECTIVE EQUIPMENT:
Practice good hygiene, wash hands and face before eating or
smoking. Launder clothing before reuse.
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SECTION IX - SPECIAL PRECAUTIONS

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- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Store in tightly closed containers in cool, dry, well-ventilated
area away from heat, sources of ignition and incompatibles.
Keep away from food and feed products.
- OTHER PRECAUTIONS:
None
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SECTION X - REGULATORY INFORMATION

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- SARA TITLE III SECTION 313:
This product contains the following toxic chemicals subject to the
reporting requirements of section 313 of the Emergency Planning
and Community Right To Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	Percent by Weight
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None

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SECTION X - REGULATORY INFORMATION (cont.)

OP 65 (CARCINOGEN):

WARNING: This product contains a chemical known to the state of California to cause cancer.

CAS#	Chemical Name
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	None

ROP 65 (REPRODUCTIVE TOXICANTS):

WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

CAS#	Chemical Name
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	None

PROP 65 (BOTH CARCINOGEN AND REPRODUCTIVE TOXICANTS):

WARNING: This product may contain a chemical known to the state of California to cause cancer or birth defects or other reproductive harm.

CAS#	Chemical Name
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	None

-MASSACHUSETTS SUBSTANCE LIST:

Unless specified below, this substance is not listed.

-CERCLA - 40 CFR 302.4:

Unless specified below, this substance is not listed.

-RCRA - 40 CFR 261:

Unless specified below, this material as a discarded product is
40 CFR 261.