

WOLSTENHOLME INTERNATIONAL

850 HAWTHORNE LANE
 WEST CHICAGO, IL 60185
 PHONE: (630) 231-7000
 FAX: (630) 231-7623

MATERIAL SAFETY DATA SHEET

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Date: January 1, 2001

PRODUCT

NAME: T-9003D AQUEOUS BASED BLACK DISPERSION
 CHEMICAL FAMILY: PIGMENT DISPERSION

I. HAZARDOUS INGREDIENTS

CARBON BLACK (1333-86-4) - 40 % See Occupational Exposure Limits
 AMMONIUM HYDROXIDE (1336-21-6) - < 0.7 % See Overexposure Effects
 HYDROXYMETHYL AMINO ETHANOL (34375-28-5) - < 0.2 % See Overexposure Effects

II. PHYSICAL DATA

| | LOW | HIGH | COMMENTS |
|-----------------------------|------|------|---------------------|
| LBS/GAL | 10.2 | 10.5 | |
| SOLUBILITY IN WATER | | | INFINITE |
| pH | 9.5 | 10.5 | |
| VISCOSITY @ STANDARDIZATION | N/A | N/A | |
| APPEARANCE | | | Black Liquid |
| ODOR | | | Slight Ammonia Odor |

III. FIRE AND EXPLOSION HAZARDS

EXTINGUISHING MEDIA: WATER SPRAY, FOAM OR DRY CHEMICALS
 SPECIAL PROCEDURES: USE SELF CONTAINED BREATHING APPARATUS AND
 PROTECTIVE CLOTHING.
 UNUSUAL HAZARDS: NONE

IV. HEALTH INFORMATION

OVEREXPOSURE EFFECTS: THIS PRODUCT CONTAINS THE FOLLOWING INGREDIENTS
 WHICH CAN HAVE THE FOLLOWING EFFECTS:

MARKETED BY
HARWICK STANDARD
DISTRIBUTION CORPORATION
 60 S. Seiberling Street • Akron, Ohio 44305

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IV. HEALTH INFORMATION - CONTINUED

AMMONIUM HYDROXIDE (1336-21-6) CAUSES SEVERE IRRITATION OF SKIN, EYES AND RESPIRATORY TRACT.

HYDROXYMETHYL AMINO ETHANOL (34375-28-5) LESS THAN 0.2 % - SEVERE EYE IRRITANT.

V. OCCUPATIONAL EXPOSURE LIMITS

| INGREDIENT: | PPM | MG/M3 |
|------------------------------|------------------|-------|
| CARBON BLACK: | | 3.5 |
| AMMONIUM HYDROXIDE: | 25 | |
| HYDROXYMETHYL AMINO EHTANOL: | NONE ESTABLISHED | |

VI. EMERGENCY AND FIRST AID PROCEDURES

INHALATION: CONSULT A PHYSICIAN IF IRRITATION OF RESPIRATORY PASSAGES OCCURS.

EYE CONTACT: FLUSH WITH WATER-CONSULT WITH A PHYSICIAN IF IRRITATION CONTINUES.

SKIN CONTACT: WASH WITH SOAP AND WATER - CONSULT WITH A PHYSICIAN IF IRRITATION CONTINUES.

VI. EMERGENCY AND FIRST AID PROCEDURES - CONTINUED

INGESTION: GIVE MILK OR WATER TO CONSCIOUS PERSON - CONSULT WITH A PHYSICIAN.

ADDITIONAL MEASURES: NONE

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CHEMICAL STABILITY: STABLE
HAZARDOUS POLYMERIZATION: CARBON COMPOUNDS MAY BE GENERATED DURING THERMAL DECOMPOSITION MATERIALS TO AVOID: STRONG OXIDIZING AGENTS

VIII. SPILL, LEAK AND DISPOSAL PROCEDURES

SPILL OR LEAK: MIX WITH INERT ABSORBENT, PLACE IN SUITABLE CONTAINER. AVOID DISCHARGE IN SEWER OR WATERWAYS.
WASTE DISPOSAL: DISPOSE OF OR INCINERATE IN ACCORDANCE WITH REGULATIONS.

IX. EMPLOYEE PROTECTION

RESPIRATORY PROTECTION: EXPOSURES EXCEEDING TLV REQUIRE CHEMICAL CARTRIDGE RESPIRATOR
CLOTHING: SUITABLE TO AVOID SKIN CONTACT, SAFETY GLASSES, RUBBER GLOVES
VENTILATION: USE LOCAL EXHAUST OR RESPIRATORY PROTECTION TO MAINTAIN EMPLOYEE EXPOSURE BELOW THE PEL OR TLV.

X. SPECIAL PRECAUTIONS

THE INGREDIENTS IN THIS PRODUCT ARE NOT LISTED BY OSHA, NTP OR IARC AS A CARCINOGEN.
CARBON BLACK: IARC GROUP 2B: POSSIBLE CARCINOGEN TO HUMANS.

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XI. OTHER REGULATORY CONTROLS-----

THE FOLLOWING SPECIFIC INFORMATION IS MADE FOR THE PURPOSE OF COMPLYING WITH NUMEROUS FEDERAL, STATE OR PROVINCIAL, AND LOCAL LAWS AND REGULATIONS.

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY AND CANADIAN DSL (DOMESTIC SUBSTANCE LISTING).

| | | |
|------|---------------|---|
| HMIS | HEALTH: | 1 |
| | FLAMMABILITY: | 0 |
| | REACTIVITY: | 0 |

THESE RATINGS SHOULD ONLY BE USED AS PART OF THE HMIS PROGRAM.

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

KEEP OUT OF SURFACE WATERS, SEWERS, AND WATERWAYS ENTERING OR LEADING TO SURFACE WATERS. NOTIFY AUTHORITIES IF ANY EXPOSURE TO THE GENERAL PUBLIC OR ENVIRONMENT OCCURS OR IS LIKELY TO OCCUR.

NOTICE: THE INFORMATION HEREIN IS PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE AS OF THE EFFECTIVE DATE SHOWN ABOVE. HOWEVER, NO WARRANTY, EXPRESS OR IMPLIED, IS GIVEN. REGULATORY REQUIREMENTS ARE SUBJECT TO CHANGE AND MAY DIFFER FROM ONE LOCATION TO ANOTHER; IT IS THE BUYER'S RESPONSIBILITY TO ENSURE THAT ITS ACTIVITIES COMPLY WITH FEDERAL, STATE OR PROVINCIAL, AND LOCAL LAWS.