

ABCO ENTERPRISES**A DIVISION OF CONTINENTAL DISPERSIONS INC.****3450 EAGLE DRIVE****ALLEGAN, MI 49010****PHONE: (616) 673-5822****FAX: (616) 673-6005****MATERIAL SAFETY DATA SHEET**

For Products Information Call: (616) 673-5822

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Date: October 12, 1998

PRODUCT

NAME: T-9052P AQUEOUS BASED BLACK DISPERSION
CHEMICAL FAMILY: PIGMENT DISPERSION

I. HAZARDOUS INGREDIENTS

CARBON BLACK (1333-86-4) See Occupational Exposure Limits
POLYALKYLENE GLYCOL ETHER (9038-95-3) See Overexposure Effects
SODIUM SALT (9084-06-4) See Overexposure Effects
AMMONIUM HYDROXIDE (1336-21-6) See Overexposure Effects
HYDROXYMETHYL AMINO ETHANOL (34375-28-5) See Overexposure Effects

II. PHYSICAL DATA

| | LOW | HIGH | COMMENTS |
|-----------------------------|-----|------|---------------------|
| LBS/GAL | 9.5 | 10.3 | |
| SOLUBILITY IN WATER | | | Infinite |
| pH | 9.0 | 10.0 | |
| 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:**

HARWICK Standard Distribution Corporation
60 South Seiberling Street
P.O. Box 9360
Akron, OH 44305-0360

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IV. HEALTH INFORMATION - CONTINUED

POLYALKYLENE GLYCOL ETHER (9038-95-3) - SWALLOWING: LOW SYSTEMIC TOXICITY. MAY CAUSE ABDOMINAL DISCOMFORT, NAUSEA, VOMITING AND DIARRHEA. MATERIAL ASPIRATED DURING VOMITING MAY LEAD TO LUNG INJURY. SKIN CONTACT: MAY CAUSE LOCAL ITCHING, REDNESS AND SWELLING. MAY AGGRAVATE EXISTING DERMATITIS.

SODIUM SALT (9084-06-4) CAN CAUSE EYE AND RESPIRATORY TRACT IRRITATION

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

HYDROXYMETHYL AMINO ETHANOL (34375-28-5) LESS THAN 0.25%

V. OCCUPATIONAL EXPOSURE LIMITS

| | PPM | MG/M3 |
|---------------------------------------|------------------|-------|
| INGREDIENT: | | |
| CARBON BLACK: | | 3.5 |
| POLYALKYLENE GLYCOL ETHER TLV: | NONE ESTABLISHED | |
| SODIUM SALT: | N/A | |
| 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.

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

ADDITIONAL MEASURES: NONE

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| | |
|----------------------------------|---|
| CHEMICAL STABILITY: | STABLE |
| HAZARDOUS POLYMERIZATION: | WILL NOT OCCUR |
| DECOMPOSITION: | HAZARDOUS 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 GEL 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.

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(CANADIAN SUBSTANCE LISTING).**

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XI OTHER REGULATORY CONTROLS - CONTINUED

HMIS **HEALTH: 1**
 FLAMMABILITY: 0
 REACTIVITY: 0

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

OSHA HEALTH HAZARDS: NONE

SARA HAZARD CLASS: NOT APPLICABLE

CANADIAN WHMIS CONTROLLED PRODUCT CLASSIFICATION:
NOT A CONTROLLED PRODUCT.

NOTICE: THE INFORMATION HEREIN IS PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE AS OF THE EFFECTIVE DATE AS 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.