

**WOLSTENHOLME INTERNATIONAL**

870 HAWTHORNE LANE  
 WEST CHICAGO, IL 60185  
 PHONE: (630) 231-7100  
 FAX: (630) 231-1623

**MATERIAL SAFETY DATA SHEET**

For Products Information Call: (616) 673-5822

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Date: August 24, 1993  
 Rev. 7/9/99

**PRODUCT**

NAME: T-2065C 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  
 ETHYLENE GLYCOL (107-21-1) See Overexposure Effects and Occupational Limits  
 AMMONIUM HYDROXIDE (1336-21-6) See Overexposure Effects  
 TEKTAMER 38AD (35691-65-7) See Overexposure Effects

**II. PHYSICAL DATA**

	LOW	HIGH	COMMENTS
LBS/GAL	9.1	9.7	
SOLUBILITY IN WATER			Dispersable
pH	8.0	9.0	
VISCOSITY @ STANDARDIZATION	N/A	N/A	
APPEARANCE			Low Viscosity Black Liquid
ODOR	N/A		

**NOTE: MIX WELL BEFORE USE**

**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  
 Akron - Chicago - Northeast - Southern - West Coast

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**IV. HEALTH INFORMATION - CONTINUED**

**ETHYLENE GLYCOL** (107-21-1) HAS BEEN REPORTED TO CAUSE SKIN AND EYE IRRITATION. LETHAL DOSE IS 100 ml. ORALLY..IT ALSO CAUSES NERVOUS SYSTEM EFFECTS SIMILAR TO ALCOHOLIC INTOXICATION, COMA, CONVULSIONS, EYE DAMAGE, LIVER DAMAGE, RESPIRATORY EFFECTS, CARDIOPULMONARY EFFECTS AND KIDNEY DAMAGE.

**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 DERMATTIS

TEKTAMER 38 AD(35691-65-7) NOT APPLICABLE TRACE AMOUNT( &lt; 0.25% )

**V. OCCUPATIONAL EXPOSURE LIMITS**

INGREDIENT:	PPM	MG/M3	TLV
CARBON BLACK:		3.5	
ETHYLENE GLYCOL CEILING (AEROSOL)	50 PPM	125	39.5
POLYALKYLENE GLYCOL ETHER			TLV: NONE ESTABLISHED
TEKTAMER 38 AD:			NOT APPLICABLE- TRACE AMOUNT

**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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**REACTIVITY DATA**

CHEMICAL STABILITY: STABLE  
HAZARDOUS POLYMERIZATION WILL NOT OCCUR  
DECOMPOSITION: HAZARDOUS CARBON COMPOUNDS MAY BE  
GENERATED DURING THERMAL DECOMPOSITION  
MATERIALS TO AVOID: STRONG OXIDIZING AGENTS

**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.  
AVOID DISCHARGE IN SEWERS OR STREAMS BECAUSE OF POSSIBLE  
FOAMING AND POOR BIODEGRADABILITY OF MOST SURFACTANTS  
USED IN AQUEOUS DISPERSIONS.

**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**

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

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## XI. OTHER REGULATORY CONTROLS - CONTINUED

HMIS	HEALTH:	2
	FLAMMABILITY:	0
	REACTIVITY:	0

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

## OSHA HEALTH HAZARDS:

INGREDIENT: ETHYLENE GLYCOL  
EYE HAZARD IRRITANT  
KIDNEY TOXIN  
LIVER TOXIN  
REPRODUCTIVE TOXIN & SKIN HAZARD

## SARA HAZARD CLASS:

INGREDIENT: ETHYLENE GLYCOL  
ACUTE: YES CHRONIC: YES FIRE HAZARD: NO

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III  
REQUIRES EMERGENCY PLANNING BASED ON THRESHOLD PLANNING QUANTITIES  
(TPQ'S) AND RELEASE REPORTING BASED ON REPORTABLE QUANTITIES (RQ'S) IN 40  
CFR (USED FOR SARA 02, 304, 311 AND 312).

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL WHICH COULD REQUIRE  
REPORTING UNDER THE STATUTE ARE: NONE

SARA SECTION 313 TITALE III CFR 40 PART 372:

THIS PRODUCT CONTAINS 10% ETHYLENE GLYCOL (000107-21-1)  
THIS PRODUCT CONTAINS <0.1% GLYCOL ETHER CAS# NOT APPLICABLE  
WHEN COPYING THIS SECTION DO NOT FAIL TO COPY THIS SECTION  
UNDER PENALTY OF LAW.

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

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STATE RIGHT-TO-KNOW: THE FOLLOWING PRODUCT COMPONENTS ARE CITED ON CERTAIN STATE LISTS AS MENTIONED. NON-LISTED COMPONENTS MAY BE SHOWN IN THE COMPOSITION SECTION OF THE MSDS.

CHEMICAL NAME	CAS NUMBER	LIST
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ETHYLENE GLYCOL	000107-21-1	NJ3 PA1 PA3
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NJ2 NJ2=NEW JERSEY ENVIRONMENTAL HAZARDOUS SUBSTANCE (PRESENT AT A GREATER THAN OR EQUAL TO 1.0%).

NJ3=NEW JERSEY WORKPLACE HAZARDOUS SUBSTANCE (PRESENT AT GREATER OR EQUAL TO 1.0%).

PA1=PENNSYLVANIA HAZARDOUS SUBSTANCE (PRESENT AT GREATER THAN OR EQUAL TO 1.0%).

PA3=PENNSYLVANIA ENVIRONMENTAL HAZARDOUS SUBSTANCE (PRESENT AT GREATER THAN OR EQUAL TO 1.0%).

OSHA HAZARD COMMUNICATION STANDARD: THIS PRODUCT IS A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

CALIFORNIA PROPOSITION 65 - THIS PRODUCT CONTAINS TRACE LEVELS OF DIOXANE, PROPYLENE OXIDE AND ETHYLENE OXIDE WHICH THE STATE OF CALIFORNIA HAS FOUND TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

MASSACHUSETTS RIGHT-TO-KNOW, SUBSTANCE LIST (MSL) HAZARDOUS SUBSTANCES AND EXTRAORDINARILY HAZARDOUS SUBSTANCES ON THE MSL MUST BE IDENTIFIED WHEN PRESENT IN PRODUCTS.

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL WHICH COULD REQUIRE REPORTING UNDER THE STATUE ARE: UPPER BOUND CHEMICAL

	CAS NUMBER	CONCENTRATION %
DIOXANE	123-91-1	.00031
ETHYLENE OXIDE	75-21-8	.0003
METHANOL	67-66-1	.00024
PROPYLENE OXIDE	75-56-9	.0003

**CANADIAN REGULATIONS:**

WHMIS INFORMATION: THE CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) CLASSIFICATION FOR THIS PRODUCT IS:

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### IX. CANADIAN REGULATIONS CONTINUED

D2A - MATERIAL IS TERATONGENIC, EMBRYOTOXIC, OR FETOTOXIC REFER ELSEWHERE IN THE MSDS FOR SPECIFIC WARNING AND SAFE HANDLING INFORMATION. REFER TO THE EMPLOYER'S WORKPLACE EDUCATION PROGRAM.

CPR STATEMENT: THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

HAZARDOUS PRODUCTS ACT INFORMATION: THIS PRODUCT CONTAINS THE FOLLOWING INGREDIENTS WHICH ARE CONTROLLED PRODUCTS AND/OR ON THE INGREDIENT DISCLOSURE LIST (CANADIAN HPA SECTION 13 AND 14):

COMPONENTS: ETHYLENE GLYCOL CAS# 000107-21-1 AMOUNT <10.0%

### FEDERAL EPA

COMPREHENSIVE ENVIRONMENTAL RESPONSE SOMPENSATION, AND LIABILITY ACT OF 1980 (CERCLA) REQUIRES NOTIFICATION OF THE NATIONAL RESPONSE CENTER OF RELEASE OF QUANTITIES OF HAZARDOUS SUBSTANCES EQUAL TO OR GREATER THAN THE REPORTABLE QUANTITIES (RQS) IN 40 CFR 302.4.

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL WHICH COULD REQUIRE REPORTING UNDER THE STATUTE ARE:

CHEMICAL	CAS NUMBER	UPPER BOUND CONCENTRATION %
ETHYLENE GLYCOL	107-21-1	10.0
DIOXANE	123-91-1	0.00031
ETHYLENE OXIDE	75-21-8	0.0003

### SECTION I

### PRODUCT / COMPOSITION

NO.	CAS NUMBER	PERCENT
P1		MIXTURE 10.0 9.0-10.0 0.0-1.0

### SECTION II

### SARA TITLE III INFORMATION

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 SECTION II SARA TITLE III INFORMATION CONTINUED

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NO.	EHS RQ(LBS) (*1)	EHS TPQ(LBS) (*2)	SEC 313 (*3)	313 CATEGORY (*4)	311/31 CATEGORY (*5)
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P					H-1, H-2
1			YES		

**FOOTNOTES**

\*1= REPORTABLE QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE, SEC.302

\*2= THRESHOLD PLANNING QUANTITY, EXTREMELY HAZARDOUS SUBSTANCE,  
SEC 302\*3= TOXIC CHEMICAL, SEC 313 \*4 = CATEGORY AS REQUIRED BY SEC 313 (40 CFR 372.65  
C), MUST BE USED ON TOXIC RELEASE INVENTORY FORM \*5 = HAZARD CATEGORY FOR  
SARA SEC. 311/312 REPORTING

HEALTH H-1 = IMMEDIATE (ACUTE) HEALTH HAZARD

H-2 = DELAYED (CHRONIC) HEALTH HAZARD

PHYSICAL P-3 = FIRE HAZARD

P-4 = SUDDEN RELEASE OF PRESSURE P-5 = REACTIVE HAZARD

**RCRA INFORMATION**