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BRANDESS KALT AETNA GROU

002

* INTRO KIT *

7987-01 ✓

00426-1029

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MARSHALL PM SOLUTION **DATE:** 04/20/02
PRODUCT CODE(S): MS-PMS; MS-PMS-1; MS-PMS 1/2 oz in Introductory Oil Set

SECTION I PRODUCT IDENTIFICATION
MANUFACTURER: BRANDESS/KALT/AETNA
701 CORPORATE WOODS PKWY
VERNON HILLS, IL 60061

INFORMATION AND EMERGENCY PHONE DURING BUSINESS HOURS 847-478-7111

FOR EMERGENCY ASSISTANCE INVOLVING A SPILL, LEAK, OR FIRE WITH THIS PRODUCT CALL CHEMTREC 800-424-9300.

PHYSICAL DATA: BLENDED SOLUTION
SYNONYMS: NONE

SECTION II HAZARDOUS INGREDIENTS

COMPONENTS	CAS #	WEIGHT %
TURPENTINE	8006-64-2	Less than 90%

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 7300°F
COLOR: WATER-WHITE
SOLUBILITY IN WATER: NEGLIGIBLE
EVAPORATION RATE: SLOWER THAN ETHER
STABILITY: PRODUCT IS STABLE UNDER NORMAL CONDITIONS

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 90°F (CLOSED CUP)
FLAMMABLE LIMITS: FLAMMABLE LIQUID - CLASS 1C
EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, OR SAND
SPECIAL FIRE FIGHTING INSTRUCTIONS: MATERIAL IS A MODERATE FIRE AND EXPLOSION HAZARD. USE ONLY WATER TO KEEP FIRE -EXPOSED CONTAINERS COOL. WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND (MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.
UNUSUAL FIRE & EXPLOSION HAZARDS: FLAMMABLE. VAPORS MAY CAUSE A FLASH FIRE AND EXPLOSION HAZARD. VAPORS MAY TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.

SECTION V REACTIVITY DATA

CONDITIONS TO AVOID: HEAT, SPARKS, OPEN FLAMES, AND OXIDIZING MATERIALS.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: CHANCE OF THERMAL DECOMPOSITION MAY YIELD CARBON DIOXIDE AND/OR CARBON MONOXIDE.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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BRANDESS KALT AETNA GROUP

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MARSHALL PM SOLUTION**PAGE 2****SECTION VI HEALTH HAZARD DATA**

CHRONIC EFFECTS OF OVEREXPOSURE/CARCINOGENICITY: MAY CAUSE PREDISPOSITION TO PNEUMONIA AND CHRONIC NEPHRITIS. CHRONIC EXPOSURE CAN PRODUCE ALLERGENIC SENSITIZATION. THE NATIONAL TOXICOLOGY PROGRAM (NTP) CONCLUDED THAT TWO-YEAR GAVAGE STUDIES WITH d-LIMONENE, A COMPONENT OF THIS PRODUCT, INDICATE CLEAR EVIDENCE OF CARCINOGENIC ACTIVITY IN MALE RATS, BUT NOT IN FEMALE RATS, NOR IN MALE OR FEMALE MICE. HOWEVER, INVESTIGATION OF THE METABOLISM OF d-LIMONENE IN VARIOUS SPECIES SUGGESTS THESE FINDINGS ARE NOT RELEVANT TO HUMAN RISK ASSESSMENT. d-LIMONENE IS NOT LISTED AS A CARCINOGEN BY THE NTP. IT IS NOT REGULATED AS A CARCINOGEN BY OSHA AND HAS NOT BEEN EVALUATED BY IARC. OTHER COMPONENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP, IARC, OR OSHA.

SARA TITLE III HAZARD CATEGORIES: FIRE HAZARD, IMMEDIATE (ACUTE) HEALTH HAZARD AND DELAYED (CHRONIC) HEALTH HAZARD.

CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: IF IRRITATION, TEARING AND REDNESS PERSISTS, CONSULT A PHYSICIAN IMMEDIATELY.

SKIN: WASH AFFECTED AREA WITH WARM SOAPY WATER. IF IRRITATION DEVELOPS, SEEK MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, CONSULT A PHYSICIAN.

IF SWALLOWED: GET MEDICAL ATTENTION IMMEDIATELY.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

IF SMALL RELEASE: ADD SAND, SCOOP OR SWEEP INTO DISPOSAL CONTAINER AND HOSE DOWN AREA.

WASTE DISPOSAL METHOD: COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

STORAGE AND HANDLING: STORE IN A COOL, DRY AREA AWAY FROM HEAT AND OPEN FLAMES.

SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION: USE IN A WELL-VENTILATED AREA.

VENTILATION: LOCAL, ADEQUATE EXHAUST

EYES: WEAR CHEMICAL SAFETY GOGGLES

PROTECTIVE GLOVES: NEOPRENE RUBBER GLOVES

The conditions of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use, or disposal of the product. The opinions expressed herein are those of qualified experts, chemists, and technicians supplied by various chemical manufacturers. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information, these opinions, and the conditions of use of the product are not within the control of Brandess/Kalt/Aetna, it is the user's obligation to determine the conditions of safe use of the product.

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MATERIAL SAFETY DATA SHEET

Approved by U.S. Department of Labor, Bureau of Occupational Safety and Health
 The John G. Marshall Mfg. Co., Inc.

DATE OF PREP
 7-1-88

P.O. Box 649
 Deerfield, IL 60015

EMERGENCY TELEPHONE NO. 312-478-7111 (DA)
 INFORMATION TELEPHONE NO. 312-478-7111

SECTION I

PRODUCT NUMBER: #7
 PRODUCT NAME: Cadmium Yellow Photo Oil Colors
 PRODUCT CLASS: Color in Oil.

SECTION II — HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE		TOXICITY DATA
			TLV	PEL	mm	Hg	
Ethyl Alcohol	64-17-5	<0.5%	1000 PPM		40		TDL 50mg/kg
Alumina Hydrate	21645-51-2	6.6%	High (IPR)				TDL 122 mg/kg/40
Cadmium Zinc Sulfide	8048-07-5	48.2%	.05mg/m ³	.02 mg/m ³			LD ₅₀ 5g/kg

SECTION III — PHYSICAL DATA

BOILING RANGE: N/A
 EVAPORATION RATE: FASTER THAN ETHER
 SLOWER THAN ETHER
 VAPOR DENSITY: HEAVIER LIGHTER THAN AIR
 PERCENT VOLATILE BY VOLUME: 0.5%
 WEIGHT PER GALLON: 12.9 lbs/gal.

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA IIIA
 DOT _____
 FLASH POINT: 152°F
 LEL:
 EXTINGUISHING MEDIA: FOAM "ALCOHOL" FOAM CO₂ DRY CHEMICAL WATER FOG OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS: Rags and waste paper containing this material may heat and burn spontaneously. Store wiping materials in metal cans with tight lids; soak with water.

SPECIAL FIREFIGHTING PROCEDURES: Avoid use of water, but if only alternative, implement. Use water to keep fire-exposed containers cool. Overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Full protection equipment including self-contained breathing apparatus should be used.

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SECTION V — HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Repeated and prolonged inhalation or ingestion of Cadmium Compounds may cause delayed effects involving the respiratory and renal systems. Eye contact may cause redness and tearing. Sensitive individuals may experience dermatitis, after long exposure on skin.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Not available. Not believed to be acutely toxic. May cause effects of chronic Cadmium toxicity.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES: INGESTION: Give large quantities of water, induce vomiting. Call a physician. EYE CONTACT: Flush with clean lukewarm water for at least 15 minutes, occasionally lifting eyelids. SKIN CONTACT: May be removed from skin with waterless cleaner followed by washing with soap and warm water. INHALATION: Expose individual to fresh air source.

SECTION VI — REACTIVITY DATA

STABILITY: UNSTABLE STABLE Spontaneous combustion can occur.

HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: Fire conditions or above 1000°F may emit SO₂ Gas and Cadmium Oxide fumes. H₂S gas in contact with strong acids. Sanding of films can create dust containing Cadmium, use respirator.

CONDITIONS TO AVOID: Fire conditions and contact with strong acids, acids, violent reaction with strong oxidizing agents, acids, violent reaction with Cl₂; Chlorinated rubber.

SECTION VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills can be picked up with absorbent material, transferred into closed metal container for disposal as hazardous waste. Large spills can be scooped up and salvaged.

WASTE DISPOSAL METHOD: Treat as hazardous material. Dispose of in accordance with Federal, State and Local Regulations.

SECTION VIII — SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Not normally needed unless product is being sprayed; then use respiratory devices approved by NIOSH/MSHA for protection against spray mist and vapors.

VENTILATION: Intermittent clean air exchanges recommended.

PROTECTIVE GLOVES: Neoprene rubber gloves.

EYE PROTECTION: Safety Glasses

OTHER PROTECTIVE EQUIPMENT: Wash contaminated clothing, discard contaminated shoes.

HYGIENIC PRACTICES: Wash thoroughly before eating, smoking or chewing gum. Do not apply product to face or body.

SECTION IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not store near any food or food products. Avoid accumulation of contaminated rags or wiping materials by immediately soaking them in water and collect in metal container for disposal.

OTHER PRECAUTIONS: The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

Item Numbers: 00426-102

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MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS
(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA 20)

The John G. Marshall Mfg. Co., Inc.
P.O. Box 649
Deerfield, IL 60015

DATE OF PREP
2-1-88

EMERGENCY TELEPHONE NO. 312-478-7111 (DAY)
INFORMATION TELEPHONE NO. 312-478-7111

SECTION I

PRODUCT NUMBER: #11
PRODUCT NAME: Cheek Photo Oil Color
PRODUCT CLASS: Color in oil.

SECTION II — HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE		TOXICITY DATA
			TLV	PEL	mm	Hg	
Ethyl Alcohol	64-17-5	>0.5%	1000 PPM		40		TDL. 50 mg/kg
Alumina Hydrate	21645-51-2	31.1%	High (IPR)				TDL. 122 mg/kg/4D

SECTION III — PHYSICAL DATA

BOILING RANGE: N/A
EVAPORATION RATE: FASTER THAN ETHER
 SLOWER THAN ETHER
VAPOR DENSITY: HEAVIER LIGHTER THAN AIR
PERCENT VOLATILE BY VOLUME: 0.5%
WEIGHT PER GALLON: 9.8 lbs/gal.

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA III A FLASH POINT: 152°F. LEL: ----
DOT: _____
EXTINGUISHING MEDIA: FOAM "ALCOHOL" FOAM CO₂ DRY CHEMICAL WATER OTHER FOG
UNUSUAL FIRE AND EXPLOSION HAZARDS: Rags and waste paper containing this material may heat and burn spontaneously. Store wiping materials in metal cans with tight lids; soak with water.
SPECIAL FIREFIGHTING PROCEDURES: Avoid use of water, but if only alternative, implement use water to keep fire-exposed containers cool.

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SECTION V — HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Inhalation of product may cause mild irritation of nose and throat. Eye contact may cause redness and tearing. Sensitive individuals may experience dermatitis, after long exposure on skin. Ingestion of large amounts may cause gastro-intestinal upset.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None reported.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES: EYE CONTACT: Flush with clean lukewarm water for at least 15 minutes, occasionally lifting eyelids. SKIN CONTACT: May be removed from skin with waterless cleaner followed by washing with soap and warm water. INHALATION: Expose individual to fresh air source. INGESTION: Keep person warm and quiet; seek medical advice for prevention of possible dehydration.

SECTION VI — REACTIVITY DATA

STABILITY: UNSTABLE STABLE Spontaneous combustion can occur.

HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon dioxide and/or carbon monoxide, ammonia, NO_x.

CONDITIONS TO AVOID: Keep from contact with oxidizing materials.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents: violent reaction with Cl₂, chlorinated rubber.

SECTION VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills can be picked up with absorbent material and transferred into closed metal containers and soaked with water. Large spills can be scooped up and put into containers and salvaged.

WASTE DISPOSAL METHOD: Carefully incinerate or use secure landfill or special waste landfill in accordance with local, state and federal regulations.

SECTION VIII — SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Not normally needed.

VENTILATION: Intermittent clean air exchanges recommended.

PROTECTIVE GLOVES: Neoprene rubber gloves.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Prevent repeated or prolonged skin contact.

HYGIENIC PRACTICES: Eyewashes in the workplace are recommended.

SECTION IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid accumulation of contaminated rags or wiping materials by immediate immersion in water.

OTHER PRECAUTIONS: The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage use or disposal of the product.

This Material Safety Data Sheet is accurate and reliable to the best of our knowledge and belief and relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

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MATERIAL SAFETY DATA SHEETFOR COATINGS, RESINS AND RELATED MATERIALS
(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA 201)The John G. Marshall Mfg. Co., Inc.
P.O. Box 649
Deerfield, IL 60015DATE OF PREP
2-1-88EMERGENCY TELEPHONE NO. 312-478-7111 (DAY)
INFORMATION TELEPHONE NO. 312-478-7111**SECTION I**PRODUCT NUMBER: #12
PRODUCT NAME: Chinese Blue Photo Oil Color.
PRODUCT CLASS: Color in oil.**SECTION II — HAZARDOUS INGREDIENTS**

INGREDIENT	CAS #	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE		TOXICITY DATA
			TLV	PEL	mm	Hg	
Ethyl Alcohol	64-17-5	>0.5%	1000 PPM		40		TDL. 50 mg/kg
Alumina Hydrate	21645-51-2	37.5%	High (IPR)				TDL. 122 mg/kg/4D

SECTION III — PHYSICAL DATABOILING RANGE: N/A VAPOR DENSITY: HEAVIER LIGHTER THAN AIR
EVAPORATION RATE: FASTER THAN ETHER PERCENT VOLATILE BY VOLUME: 0.5%
 SLOWER THAN ETHER WEIGHT PER GALLON: 10.9 lbs/gal.**SECTION IV — FIRE AND EXPLOSION HAZARD DATA**FLAMMABILITY CLASSIFICATION: OSHA III A FLASH POINT: 147°F. LEL: ---
DOTEXTINGUISHING MEDIA: FOAM "ALCOHOL" FOAM CO₂ DRY CHEMICAL WATER OTHER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Rags and waste paper containing this material may heat and burn spontaneously. Store wiping materials in metal cans with tight lids: soak with water.

SPECIAL FIREFIGHTING PROCEDURES: Avoid use of water, but if only alternative, implement. Use water to keep fire-exposed containers cool.

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SECTION V -- HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Repeated and prolonged inhalation or ingestion of Cadmium Compounds may cause delayed effects involving the respiratory and renal systems. Eye contact may cause redness and itching. Sensitive individuals may experience dermatitis, after long exposure on skin.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Not available. Not believed to be acutely toxic. May cause effects of chronic Cadmium toxicity.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES: **INGESTION:** Give large quantities of water, induce vomiting. Call a physician. **EYE CONTACT:** Flush with clean lukewarm water for at least 15 minutes, occasionally lifting eyelids. **SKIN CONTACT:** May be removed from skin with waterless cleanser followed by washing with soap and warm water. **INHALATION:** Expose individual to fresh air source.

SECTION VI -- REACTIVITY DATA

STABILITY: UNSTABLE STABLE Spontaneous combustion can occur.

HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: Fire conditions or above 1000°F may emit SO₂, CO₂ and

CONDITIONS TO AVOID: Fire conditions and contact with strong acids. Handling of films can create dust containing Cadmium, use respirator.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents, acids, violent reaction with Cl₂, Chlorinated rubber.

SECTION VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills can be picked up with absorbent material, transferred into closed metal container for disposal as hazardous waste. Large spills can be scooped up and salvaged.

WASTE DISPOSAL METHOD: Treat as hazardous material. Dispose of in accordance with Federal, State and Local Regulations.

SECTION VIII -- SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Not normally needed unless product is being sprayed; then use respiratory device approved by NIOSH/MSHA for protection against spray mist and vapors.

VENTILATION: Intermittent clean air exchanges recommended.

PROTECTIVE GLOVES: Neoprene rubber gloves.

EYE PROTECTION: safety glasses

OTHER PROTECTIVE EQUIPMENT: Wash contaminated clothing, discard contaminated shoes.

HYGIENIC PRACTICES: Wash thoroughly before eating, smoking or chewing gum. Do not apply product to any materials or containers used in the food industry.

SECTION IX -- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not store near any food or food products. Avoid accumulation of contaminated rags or wiping materials by immediately soaking them in water and collar in metal container for disposal.

OTHER PRECAUTIONS: The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

Data in this Material Safety Data Sheet is accurate and reliable to the best of our knowledge and belief and relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

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SPECTRA COLORS CORP.
BACHMEIER COLORS DIV.
25 RIZZOLO ROAD
KEARNY, NJ 07032
PHONE: 201-997-0606 - FAX 201-997-0504

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DATE - AUG 05, 1991

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3.AC.W0120

MATERIAL SAFETY DATA SHEET

SECTION I IDENTIFICATION:

Spectra Number 3.AC.W0120 Product Name SPEC W/S VERONA BROWN A12895 Color Index Name ACID BROWN A128950

C. A. S. No.: MIXTURE Chemical Family DISAZO & MONOAZO DYES Color Index No.: NONE

WARNING - CAUTION:

Handle with CARE. AVOID over exposure. Use NIOSH/OSHA APPROVED RESPIRATOR, WORK GLOVES and CLOTHING. WASH after handling. SENSITIVE INDIVIDUALS MAY EXPERIENCE RESPIRATORY ALLERGIES. MAY CAUSE SKIN IRRITATION. USE WITH LOCAL VENTILATION.

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

COMPONENT ACID RED 027 CAS NO. UN1602 915.67.3 HAZARD 10 POSSIBLE CARCINOGENE
POSSIBLE CARCINOGEN: SUSPECTED CARCINOGEN BASED ON LABORATORY TESTS. OVEREXPOSURE MAY CREATE CANCER RISK.

SARA TITLE III, Section 313: LISTED

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point ND Specific Gravity (H2O=1) ND
Vapor pressure (MM HG) = H2O ND Melting Point ND
Vapor Density (AIR=1) ND Evaporation Rate (BUTYL ACT=1) ND
Molecular Weight ND PH Factor ND

Solubility in Water SOLUBLE
Appearance and Odor POWDER, NO ODOR

SECTION IV - HEALTH HAZARD DATA: (ACUTE & CHRONIC)

Effects of overexposure:
Moderately irritation to eyes & skin may result on contact.
Ingestion may result in gastric disturbances.
Inhalation of dusts may irritate the respiratory tract.
Inhalation: YES
Skin: YES
Ingestion: YES
Eyes: YES

Signs and symptoms of overexposure:
Overexposed person may notice coloration of skin (same color as handled). Possible irritation.

Medical conditions generally aggravated by exposure:

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No data available on skin contact or inhalation. Persons with impaired pulmonary function or skin disorders may be more susceptible to the effects of this product on any type of dusty material. HANDLE WITH CARE. AVOID OVEREXPOSURE.

Carcinogenicity NTP: NO
IARC: NO
OSHA Regulated: NO

Exposure Limits:
No exposure limits have been determined or found in existing published studies. It is suggested that this product be used in accordance with good industrial practices.
HANDLE THIS PRODUCT WITH CARE. AVOID PERSONAL CONTACT

Toxicity Data:
Oral (Animal): NO DATA AVAILABLE.
Dermal (Animal): NO DATA AVAILABLE.
Inhalation (Animal): NO DATA AVAILABLE.
Effects to eyes (Animal): NO DATA AVAILABLE.
Skin Irritation (Animal): NO DATA AVAILABLE.
Fish, LC50 (Lethal): NO DATA AVAILABLE.
Additional Data: NO DATA AVAILABLE

HMS Code:
H:1 OVER EXPOSURE MAY CAUSE IRRITATION.
F:0 NORMALLY STABLE.
R:0 STABLE.
P:0 NIOSH / OSHA APPROVED DUST RESPIRATOR, GLOVES, APRON & GOGGLES.

SECTION V - EMERGENCY AND FIRST-AID PROCEDURES:
EYE CONTACT: Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. Get immediate medical attention
SKIN CONTACT: Wash affected area thoroughly with soap and water. If any irritation develops, consult a Physician.
INHALATION: Remove to fresh air. If breathing is difficult, give oxygen and get immediate medical attention
INGESTION: Induce vomiting - seek immediate medical attention

SECTION VI - FIRE AND EXPLOSION HAZARD DATA:
Flash Point F (C): NORMALLY STABLE, NOT COMBUSTIBLE NOR FLA
Flammable Limits: NORMALLY STABLE, NOT COMBUSTIBLE NOR FLA
Extinguishing Media: WATER, DRY CHEMICAL, CARBON DIOXIDE, FOAM
Special Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS.

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Unusual Fire & Explosion Procedures:

NONE EXPECTED. FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS TO GUARD AGAINST POTENTIALLY TOXIC AND IRRITATING FUMES. AVOID DUSTING. DUST CAN FORM EXPLOSIVE MIXTURES WITH AIR.

SECTION VII - REACTIVITY DATA:

Stability:

STABLE

Polymerization:

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

Conditions and Materials to avoid:

OXIDIZING & REDUCING AGENTS MAY DESTROY COLOR.

Hazardous Decomposition Products:

CO, CO2, OXIDES OF NITROGEN AND OTHER POTENTIALLY TOXIC FUMES.

SECTION VIII - CONTROL MEASURES:

Environmental:

Avoid any uncontrolled release of material.

Precautions:

Where spills are possible a comprehensive spill response plan should be developed and implemented.

Steps to be taken if material is released or spilled

Utilize recommended protective clothing and equipment. Spills should be swept up using an absorbant dust control product and placed in containers. Spill area can be washed with water. Collect water for approved disposal. In the event of an uncontrolled release of this material the user should determine if the release is reportable under applicable laws and regulations.

CERCLA: NOT REGULATED.

RCRA status: NOT REGULATED.

Section 302: NOT REGULATED.

Section 313: REPORTABLE.

NOTES:

A hazard evaluation of this product has been performed. This product is identified as a hazardous chemical under the criteria of the O S H A Hazard Communication Standard (29 CFR 1910.1200).

SECTION IX - PRECAUTIONS FOR SAFE HANDLING & USE:

Respiratory Protection:

Use an OSHA/NIOSH approved dust mask/respirator

Ventilation:

Local exhaust is preferred and most effective. Mechanical and general ventilation is less effective. Use natural ventilation if possible.

Protective gloves:

Plastic or rubber gloves.

Eye Protection:

Safety goggles or full face shield.

Protective clothing/equip:

Coveralls & non-leather soled work shoes

Work/Hygienic practices:

Wash dye contaminated clothes & skin with mild soaps and detergents

Special precautions :

In accordance with good industrial practice, handle this product with care and avoid personal contact.

SECTION X - TRANSPORTATION INFORMATION

D.O.T. Shipping Name : NONE

Technical Shipping Name : ACID BROWN A128950

D.O.T. Hazard Class : NONE

UN/NA Number :

Item Numbers: 00426-1029

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 Product Reportable Qty : NONE
 D. T. Labels Required : NONE
 D.O.T. Placards : NONE
 Freight Class Bulk : DYES, DRY EARTH PAINTS CLASS 55
 Freight Class Package : DYES, DRY EARTH PAINTS CLASS 55
 Product Label : SPEC W/S VERONA BROWN A12895

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SECTION XI - REGULATORY INFORMATION:

TSCA : IN COMPLIANCE

SARA : THIS PRODUCT CONTAINS TOXIC CHEMICALS SUBJECT TO THE REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND CFR 372

Acute : YES

Chronic : YES

Flammable : NO

Reactive : NO

Oxidizer : NO

THIS PRODUCT AND/OR INGREDIENTS USED TO MAKE THIS PRODUCT ARE IN THE T.S.C.A CHEMICAL SUBSTANCES INVENTORY. THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED DATA BELIEVED TO BE CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY ANY KIND OR IMPLIED IS MADE WITH RESPECT TO THE INFORMATION CONTAINED HEREIN. THIS M.S.D.S. WAS PREPARED TO COMPLY WITH THE OSHA HAZARD COMMUNICATION STANDARD [29 CFR 1910.1200]. THIS SUPERSEDES ANY PREVIOUS INFORMATION

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MATERIAL SAFETY DATA SHEETFOR COATINGS, RESINS AND RELATED MATERIALS
(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA 20)The John G. Marshall Mfg. Co., Inc.
P.O. Box 649
Deerfield, IL 60015DATE OF PREP
2-1-88EMERGENCY TELEPHONE NO. 312-478-7111 (D)
INFORMATION TELEPHONE NO. 312-478-7111**SECTION I**PRODUCT NUMBER: #37
PRODUCT NAME: Fresh Photo Oil Color
PRODUCT CLASS: Color in oil.**SECTION II — HAZARDOUS INGREDIENTS**

INGREDIENT	CAS #	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE mm Hg	TOXICITY DATA
			TLV	PEL		
Alumina Hydrate	21645-51-2	22.7%	High (IPR)			TDL, 122 mg/kg/4D
Ethyl Alcohol	64-17-5	> 0.5%	1000 PPM		40	TDL, 50 mg/kg

SECTION III — PHYSICAL DATABOILING RANGE: N/A
EVAPORATION RATE: FASTER THAN ETHER
 SLOWER THAN ETHER
VAPOR DENSITY: HEAVIER LIGHTER THAN AIR
PERCENT VOLATILE BY VOLUME: 0.5%
WEIGHT PER GALLON: 11.3 lbs/gal.**SECTION IV — FIRE AND EXPLOSION HAZARD DATA**FLAMMABILITY CLASSIFICATION: OSHA III A FLASH POINT: 150°F. LEL: ----
DOT _____
EXTINGUISHING MEDIA: FOAM "ALCOHOL" FOAM CO₂ DRY CHEMICAL WATER FCG OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS: Rags and waste paper containing this material may heat and burn spontaneously. Store wiping materials in metal cans with tight lids; soap with water.

SPECIAL FIREFIGHTING PROCEDURES: Avoid use of water, but if only alternative, implement Use water to keep fire-exposed containers cool.

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SECTION V — HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Inhalation of product may cause mild irritation of nose and throat. Eye contact may cause redness and tearing. Sensitive individuals may experience dermatitis, after long exposure on skin. Ingestion of large amounts may cause gastro-intestinal upset.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None reported.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES: EYE CONTACT: Flush with clean lukewarm water for at least 15 minutes, occasionally lifting eyelids. SKIN CONTACT: May be removed from skin with waterless cleanser followed by washing with soap and warm water.

INHALATION: Expose individual to fresh air source. INGESTION: Keep person warm and quiet; seek medical advice for prevention of possible dehydration.

SECTION VI — REACTIVITY DATA

STABILITY: UNSTABLE STABLE Spontaneous combustion can occur.

HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

CONDITIONS TO AVOID: Keep from contact with oxidizing materials.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents: violent reaction with Cl_2 , chlorinated rubber.

SECTION VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills can be picked up with absorbent material and transferred into closed metal containers and soaked with water. Large spills can be scooped up and put into containers and salvaged.

WASTE DISPOSAL METHOD: Carefully incinerate or use secure landfill or special waste landfill in accordance with local, state and federal regulations.

SECTION VIII — SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Not normally needed.

VENTILATION: Intermittent clean air exchanges recommended.

PROTECTIVE GLOVES: Neoprene rubber gloves.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Prevent repeated or prolonged skin contact.

HYGIENIC PRACTICES: Eyewashes in the workplace are recommended.

SECTION IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid accumulation of contaminated rags or wiping materials by immediate immersion in water.

OTHER PRECAUTIONS: The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage use or disposal of the product. This Material Safety Data Sheet is accurate and reliable to the best of our knowledge and belief and relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.