

00426-1039

MARSHALL PENCIL SET
 Material Safety Data Sheet
 Required under USOL Safety and Health Regulations
 for Shipyard Employment (29 CFR 1915)

* U.S. Department of Labor
 Occupational Safety and Health Administration



* Portrait Set *

OSHA No. 1213-0074
 Expiration Date 12/27/04

STABILO-Original 8700

243-8757/8738/8740/8743/8746/8752

Section I

Manufacturer's Name
Schwan STABILO Schwanhäußer GmbH & Co.
 Address (Number, Street, City, State, and ZIP Code)
Schwanweg 1

Emergency Telephone Number
0911/567-1928

D - 90562 Heroldsberg

Trade Name
 and Synonyms
 Chemical
 Family

Formula

Section II

Section IIa - Hazardous Ingredients	% TLV (Units)	Section IIb - Non-Hazardous Ingredients	% TLV (Units)
		pigments	4-38%
		cellulose derivatives	3-15%
		emulsifier	5-11.5%
		waxes	7-15%
		clay	33-62%

Hazardous Mixtures of Other Liquids, Solids or Gases

% TLV (Units)

Section III - Physical Data

Boiling Point (°F)	solid	Specific Gravity (H ₂ O=1)	1.65-2.07
Vapor Pressure (mm Hg)	solid	Percent Volatile by Volume (%)	solid
Vapor Density (AIR=1)	solid	Evaporation Rate	*1
Solubility in Water	partial (<10%)		

Appearance and Odor

lead coloured, odorless

Section IV - Fire and Explosion Hazard Data

Flash Point (Method used)	not available (solid)	Flammable Limits	Uel:
Extinguishing Media	CO ₂ , water, powder-extinguisher		
Special Fire Fighting Procedures	none		
Unusual Fire and Explosion Hazards	none		

Form OSHA-20
 (Rev. 7/84)

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Section V - Health Hazard Data

Threshold Limit Value	not known
Effects of Overexposure	not known
Emergency First Aid Procedures	oral ingestion: in case of trouble, visit a doctor eye contact: wash out generously with water, visit a doctor skin contact: wash generously with water and soap

Section VI - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	
Incompatibility (Materials to Avoid)	not known		
Hazardous Decomposition Products			

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will not Occur	X	

Section VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled	
---	--

Waste Disposal Method

Dispose in accordance to local, state and federal regulations

Section VIII - Special Protection Information

Respiratory Protection (Specify Type)			
none			
Ventilation	Local Exhaust		Special
	Mechanical (General)		Other
Protective Gloves		Eye Protection	
Other Protective Equipment			
none			

Section IX - Special Precautions

Precautions to be Taken in Handling and Storing	
Other Precautions	

Section VIII and IX only apply to larger amounts of the product
 Item Numbers: 00426-1039

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MATERIAL SAFETY DATA SHEET

00426-9000 *

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.

DATE OF PREP
2-1-83P.O. Box 649
Deerfield, IL 60015EMERGENCY TELEPHONE NO. 312-478-7111
INFORMATION TELEPHONE NO. 312-478-7111

SECTION I

PRODUCT NUMBER: #44
PRODUCT NAME: Extender Photo Oil
PRODUCT CLASS: Color in oil.

SECTION II — HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE		TOXICITY DATA
			TLV	PEL	mm	Hg	
Alumina Hydrate	21645-51-2	40.9%	High (IPR)				IDL. 122 mg/kg/4D
Ethyl Alcohol	64-17-5	> 0.5%	1000 PPM		40		IDL. 50 mg/kg

SECTION III — PHYSICAL DATA

BOILING 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: 9.8 lbs/gal.

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA III A FLASH POINT: 148°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.

TOXICOLOGICAL 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. ~~Remove 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.

COMPATIBILITY (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.

FACE 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

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Material Safety Data Sheet**MSDS No: 74002**

Page 1 of 2

Sanford Corporation
2740 Washington Blvd.
Bellwood, IL 60104

Telephone No: 1-800-323-0749
Initiated By: Jamie Paulin
Date of Last Revision: 8/14/99
Medical Emergency No: 1-800-228-5635

Rcvd 04-27-00

Section 1 - Product Identification

Product Name: Eraserstik
Colors:

PMA Certified - Conforms to ASTM D-4236. All ingredients are certified in a program of toxicological evaluation by a medical expert, subject to review by the program's Toxicological Review Board, to contain no materials in sufficient quantities to offer an acute or chronic health hazard to humans. No acute or chronic health labeling is required under provisions of Federal Hazard Substances Act (FHSA), Labeling of Hazardous Art Materials Act (LHAMA), and ASTM D-4236.

Section 2 - Composition

Non hazardous elastomer compound

Section 3 - Physical / Chemical Characteristics

Boiling Point: N/A
Vapor Pressure (mm Hg): N/A
Specific Gravity: N/A
Solubility in Water: Insoluble
Appearance / Odor: Rubber goods
Evaporation Rate: N/A

Section 4 - Fire and Explosion Hazard Data

Flash Point (Method Used): N/A
Flammability Limits (% by volume): Lower: N/A Upper: N/A
Extinguishing Medium: CO₂ or Chemical foam
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

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MSDS No. 74002

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Section 5 - Reactivity Data

Stability:	Stable
Conditions to Avoid:	None
Chemical Incompatibility:	None
Hazardous Decomposition:	None
Hazardous Polymerization:	Will not occur

Section 6 - Health Hazard Data

Chemical Listed as Carcinogen or Potential Carcinogen:

IARC Monographs:	No
National Toxicology Program:	No
OSHA Regulated:	No

Routes of entry: Inhalation - None required. Eyes - Treat as solid particle. Skin - None required. Ingestion - Non-hazardous indigestible solid.

Section 7 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:	Non-hazardous waste.
Waste Disposal Method:	Non-hazardous waste.
Precautions to be Taken in Handling and Storing:	None
Other Precautions:	None

Section 8 - Personal Protection and Exposure Control Measures

Eye Protection:	N/A
Skin Protection:	N/A
Respiratory Protection:	N/A
Ventilation:	N/A
Protective Clothing:	N/A

HMIS Code	
Health	N/A
Flammability	N/A
Reactivity	N/A
Personal Protection	N/A

Sanford Corporation has been advised by council that the OSHA Hazard Communication Standard does not apply to the Sanford Product described in this MSDS. The reason for the exemption is contained in 29 CFR, Part 1910.1200, (b) (6) (ix), as amended July 1, 1994 per the Code of Federal Regulations. The information contained in this MSDS is forwarded to you for your information but is not meant to imply that the product is covered by the Hazard Communication Standard nor is the MSDS meant to comply with all requirements of the Hazard Communication Standard.

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 (I
 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		TOXICITY DATA
			TLV	PEL	mm	Hg	
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 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: 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 OTHER FCG
 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 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.

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 described herein and does not relate to use in combination with any other material or in any process.

Item Numbers: 00426, 1038

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

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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: #35
PRODUCT NAME: Basic Flesh Shadow 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	15.6%	High (IPR)				TDL. 122 mg/kg/4D

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: 11.7 lbs/gal.**SECTION IV — FIRE AND EXPLOSION HAZARD DATA**FLAMMABILITY CLASSIFICATION: OSHA III A FLASH POINT: 147°F. LEL: ----
DOT _____
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: soap with water.

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

 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, halogen, carbonyl halide.

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. page 10 of 28

The information 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.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MARSHALL RETOUCH COLOR DATE: 03/31/98
 RAW SIENNA
 PRODUCT CODE(S): MS-RCC-RS

SECTION I PRODUCT IDENTIFICATION
 MANUFACTURER: THE JOHN G. MARSHALL MFG. CO., INC.
 701 CORPORATE WOODS PKWY
 VERNON HILLS, IL 60061

INFORMATION AND EMERGENCY PHONE DURING BUSINESS HOURS 800-821-5488

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 %
TRADE SECRET		
ACID ORANGE 007	633-96-5	Less than 1%
POSSIBLE MUTAGENIC HAZARD BASED ON POSITIVE AMES TEST AND OTHER EXPERIMENTS. MAY CAUSE TESTICULAR, LIVER, AND BLOOD EFFECTS IF SWALLOWED BASED ON TESTS WITH RATS.		
ACID RED 027	915-67-3	Less than 1%
POSSIBLE CARCINOGEN: SUSPECTED CARCINOGEN BASED ON LAB TESTS. OVEREXPOSURE MAY CREATE CANCER RISK.		
TRADE SECRET		

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F
 COLOR: DARK BROWN
 SOLUBILITY IN WATER: COMPLETE
 EVAPORATION RATE: N/A
 STABILITY: PRODUCT IS STABLE UNDER NORMAL CONDITIONS

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NOT COMBUSTIBLE OR FLAMMABLE
 FLAMMABLE LIMITS: NOT COMBUSTIBLE OR FLAMMABLE
 EXTINGUISHING MEDIA: WATER, DRY CHEMICAL, CARBON DIOXIDE, FOAM
 SPECIAL FIRE FIGHTING INSTRUCTIONS: WEAR SELF-CONTAINED BREATHING
 APPARATUS PRESSURE-DEMAND (MSHA/NIOSH APPROVED OR EQUIVALENT)
 AND FULL PROTECTIVE GEAR
 UNUSUAL FIRE & EXPLOSION HAZARDS: NONE KNOWN

SECTION V REACTIVITY DATA

CONDITIONS TO AVOID: OXIDIZING AND REDUCING AGENTS
 HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: POSSIBLE OXIDES OF NITROGEN
 AND OTHER POTENTIALLY TOXIC FUMES.
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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MARSHALL RETOUCH COLOR - RAW SIENNA

SECTION VI HEALTH HAZARD DATA

CHRONIC EFFECTS OF OVEREXPOSURE/CARCINOGENICITY: NOT LISTED AS A CARCINOGEN BY NTP, IARC AND IS NOT REGULATED BY OSHA.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH EYES WITH COOL WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS CONSULT A PHYSICIAN IMMEDIATELY.

SKIN: WASH AFFECTED AREA WITH SOAP AND WATER. IF ANY IRRITATION DEVELOPS, CONSULT A PHYSICIAN.

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

IF SWALLOWED: INDUCE VOMITING BY PUTTING FINGER DOWN BACK OF THROAT. GET MEDICAL ATTENTION.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

IF SMALL RELEASE: SHOULD BE ABSORBED AND PLACED IN A CONTAINER FOR DISPOSAL.

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

STORAGE AND HANDLING: STORE IN A COOL, DRY AREA.

SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION: USE AN OSHA/NIOSH APPROVED MASK REGULATOR.

VENTILATION: LOCAL, ADEQUATE EXHAUST

EYES: WEAR CHEMICAL SAFETY GOGGLES

PROTECTIVE GLOVES: NEOPRENE RUBBER GLOVES

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 The John G. Marshall Mfg. Co., Inc., it is the user's obligation to determine the conditions of safe use of the product.

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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)

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The John G. Marshall Mfg. Co., Inc.

P.O. Box 649

Deerfield, IL 60015

DATE OF PREP

2-1-88 X

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

INFORMATION TELEPHONE NO. 312-478-7111

SECTION I

PRODUCT NUMBER: #5

PRODUCT NAME: Burnt Sienna 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

SECTION III — PHYSICAL DATA

BOILING RANGE: N/A

EVAPORATION RATE: FASTER THAN ETHER SLOWER THAN ETHERVAPOR DENSITY: HEAVIER LIGHTER THAN AIR

PERCENT VOLATILE BY VOLUME: 0.5%

WEIGHT PER GALLON: 13.1 lbs./gal.

SECTION IV — FIRE AND EXPLOSION HAZARD DATAFLAMMABILITY CLASSIFICATION: OSHA III A
DOT _____

FLASH POINT: 160°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.

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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.

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 AND 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

expenses arising out of or in any way connected with the handling, storage use or disposal of the 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

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SPECTRA
- DYES

SPECTRA COLORS CORP.
BACHMEIER COLORS DIV.
25 RIZZOLO ROAD
KEARNY, NJ 07032

BACO
DYES

PHONE: 201-997-0606 - FAX 201-997-0504

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

ACID RED 027 UN1602 915.67.3 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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DATE AUG 05, 1991

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3: AC: W0120

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 or 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

HMIS 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.

Verona Brown

DATE AUG 05, 1991 PAGE 03 3.AC.W0120

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 :

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DATE AUG 05, 1991
 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 CO
 HEREIN. THIS M.S.D.S. WAS PREPARED TO COMPLY WITH THE OSHA HAZ
 MUNICATION STANDARD [29 CFR 1910.1200].
 THIS SUPERSEDES ANY PREVIOUS INFORMATION

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 (DA
 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 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.

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.

The information 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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04-27-00

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MARSHALL **CADMIUM YELLOW DEEP** PHOTO OIL COLOR
PRODUCT CODE(S): MS-2-CYD, MS-4-CYD, MS-P-CYD **DATE:** 02/01/99

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: BKA d/b/a MARSHALL PHOTO OILS
 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.

PRODUCT CLASS: COLOR IN OIL
SYNONYMS: NONE

SECTION II HAZARDOUS INGREDIENTS

COMPONENTS	CAS #	OSHA PEL	ACHIG TLV	WGT %
TRADE SECRET				
Ethyl Alcohol	64-17-5	1000	1000 ppm	<1%
Alumina Trihydrate	14762-49-3	5 ppm	10 ppm	<42%
Barium Sulfate	7727-43-7	.5mg/m3	.5mg/m3	<6%
Zinc Sulfide	1314-98-3	15mg/m3	10mg/m3	<2%
Cadmium Zinc Sulfide	12442-27-2	.005mg/m3	.05mg/m3	<5%
Cadmium Sulfoselenide	12656-57-4	.005mg/m3	.05mg/m3	<.5%
TRADE SECRET				

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: N/A
COLOR: Yellow
VAPOR PRESSURE (mm Hg): 40
SOLUBILITY IN WATER: <1%
EVAPORATION RATE: <1
STABILITY: PRODUCT IS STABLE UNDER NORMAL CONDITIONS

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 153°F SETA
FLAMMABLE LIMITS: OSHA III A
EXTINGUISHING MEDIA: FOAM, CO₂, DRY CHEMICAL.
SPECIAL FIRE FIGHTING INSTRUCTIONS: AVOID USE OF WATER. IMPLEMENT IF ONLY ALTERNATIVE. WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND (MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.
UNUSUAL FIRE & EXPLOSION HAZARDS: USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. RAGS AND WASTE PAPER CONTAINING THIS MATERIAL MAY HEAT AND BURN SPONTANEOUSLY. STORE WIPING MATERIAL IN METAL CANS WITH TIGHT LIDS. SOAK WITH WATER.

SECTION V REACTIVITY DATA

CONDITIONS TO AVOID: FIRE CONDITIONS AND CONTACT WITH STRONG ACIDS.

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MARSHALL CADMIUM YELLOW DEEP PHOTO OIL COLOR

PAGE 2

OXIDIZING MATERIALS; VIOLENT REACTIONS TO Cl_2 , CHLORINATED RUBBER. SANDING OF FILMS CAN CREATE DUST CONTAINING CADMIUM.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: ABOVE 1000°F MAY EMIT SO_2 GAS AND CADMIUM OXIDE FUMES. H_2S GAS WITH STRONG ACIDS.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR. SPONTANEOUS COMBUSTION MAY OCCUR.

SECTION VI HEALTH HAZARD DATA

CHRONIC EFFECTS OF OVEREXPOSURE/CARCINOGENICITY: REPEATED AND PROLONGED INHALATION OR INGESTION OF CADMIUM COMPOUNDS MAY CAUSE DELAYED EFFECTS INVOLVING THE RESPIRATORY AND RENAL SYSTEMS. NOT LISTED AS A CARCINOGEN BY NTP, IARC AND IS NOT REGULATED BY OSHA.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH EYES WITH CLEAN WATER FOR AT LEAST 15 MINUTES LIFTING EYELIDS. IF IRRITATION PERSISTS CONSULT A PHYSICIAN IMMEDIATELY.

SKIN: MAY BE REMOVED FROM SKIN WITH WATERLESS HAND CLEANER FOLLOWED BY WASHING AFFECTED AREA WITH SOAP AND WATER. IF ANY IRRITATION DEVELOPS, CONSULT A PHYSICIAN.

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

IF SWALLOWED: GIVE LARGE QUANTITIES OF WATER, INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

IF SPILLED OR RELEASED: SMALL SPILLS SHOULD 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 METAL CONTAINERS AND SALVAGED.

WASTE DISPOSAL METHOD: CAREFULLY INCINERATE OR USE SECURE LANDFILLS OR SPECIAL WASTE LANDFILL. COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

STORAGE AND HANDLING: AVOID ACCUMULATION OF CONTAMINATED RAGS OR WIPING MATERIALS BY IMMEDIATE IMMERSION IN WATER.

SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION: NOT NORMALLY NEEDED, UNLESS SPRAYING

VENTILATION: RECOMMENDED

EYES: WEAR CHEMICAL SAFETY GOGGLES

PROTECTIVE GLOVES: NEOPRENE RUBBER GLOVES. PREVENT REPEATED OR PROLONGED SKIN CONTACT.

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 BKA d/b/a Marshall Photo Oils, it is the user's obligation to determine the conditions of safe use of the product.

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MARSHALL RETOUCH COLOR DATE: 03/31/98
 SKY BLUE
 PRODUCT CODE(S): MS-RCC-SB

MANUFACTURER: SECTION I PRODUCT IDENTIFICATION
 THE JOHN G. MARSHALL MFG. CO., INC.
 701 CORPORATE WOODS PKWY
 VERNON HILLS, IL 60061

INFORMATION AND EMERGENCY PHONE DURING BUSINESS HOURS 800-821-5488

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 %
NONE		

SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F
 COLOR: DARK BLUE
 SOLUBILITY IN WATER: COMPLETE
 EVAPORATION RATE: N/A
 STABILITY: PRODUCT IS STABLE UNDER NORMAL CONDITIONS

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NOT COMBUSTIBLE OR FLAMMABLE
 FLAMMABLE LIMITS: NOT COMBUSTIBLE OR FLAMMABLE
 EXTINGUISHING MEDIA: WATER, DRY CHEMICAL, CARBON DIOXIDE, FOAM.
 SPECIAL FIRE FIGHTING INSTRUCTIONS: WEAR SELF-CONTAINED BREATHING
 APPARATUS PRESSURE-DEMAND (MSHA/NIOSH APPROVED OR EQUIVALENT)
 AND FULL PROTECTIVE GEAR.
 UNUSUAL FIRE & EXPLOSION HAZARDS: NONE KNOWN

SECTION V REACTIVITY DATA

CONDITIONS TO AVOID: OXIDIZING AND REDUCING AGENTS
 HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: POSSIBLE OXIDES OF NITROGEN
 AND OTHER POTENTIALLY TOXIC FUMES.
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI HEALTH HAZARD DATA

CHRONIC EFFECTS OF OVEREXPOSURE/CARCINOGENICITY: NOT LISTED AS A
 CARCINOGEN BY NTP, IARC AND IS NOT REGULATED BY OSHA.
 EMERGENCY AND FIRST AID PROCEDURES:
 EYES: FLUSH EYES WITH COOL WATER FOR AT LEAST 15 MINUTES. IF
 IRRITATION PERSISTS CONSULT A PHYSICIAN IMMEDIATELY.

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MARSHALL RETOUCH COLOR - SKY BLUE**PAGE 2**

SKIN: WASH AFFECTED AREA WITH SOAP AND WATER. IF ANY IRRITATION DEVELOPS, CONSULT A PHYSICIAN.

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

IF SWALLOWED: INDUCE VOMITING BY PUTTING FINGER DOWN BACK OF THROAT. GET MEDICAL ATTENTION.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

IF SMALL RELEASE: SHOULD BE ABSORBED AND PLACED IN A CONTAINER FOR DISPOSAL.

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

STORAGE AND HANDLING: STORE IN A COOL, DRY AREA.

SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION: USE AN OSHA/NIOSH APPROVED MASK REGULATOR.

VENTILATION: LOCAL, ADEQUATE EXHAUST

EYES: WEAR CHEMICAL SAFETY GOGGLES

PROTECTIVE GLOVES: NEOPRENE RUBBER GLOVES

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 The John G. Marshall Mfg. Co., Inc., it is the user's obligation to determine the ~~conditions of safe use of the product.~~

FOR COATINGS, RESINS AND RELATED MATERIALS
(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA 201)

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

* 00426-7003

DATE OF PREP
7-1-88

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

SECTION I

PRODUCT NUMBER: #29
 PRODUCT NAME: **Traa Green** 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	23.1%	High (IPR)				TDL. 122mg/kg, 40
Chlorinated Copper Phthalocyanine	147-14-8	1.2%	Not Assigned				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: 9.8 lbs/gal.

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA III A FLASH POINT: 148°F. LEL: ---
 DOT _____
 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.

FORM NO. 205-8/85

SECTION V — HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Repeated and prolonged inhalation or ingestion of Cadmium Compound 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 to 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

CONDITIONS TO AVOID: Fire conditions and contact with strong acids. Sanding 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 devices approved by NIOSH/MESA 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 for 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 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.

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.

HAZARD 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.
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DATE OF PREP
2-1-88

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

SECTION I

PRODUCT NUMBER: #15
PRODUCT NAME: **Cobalt Violet** 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	45.0%	High (IPR)				TDL. 122 mg/kg/4D

SECTION III — PHYSICAL DATA

BOILING RANGE: N/A
VAPOR DENSITY: HEAVIER LIGHTER THAN AIR
VAPORATION RATE: FASTER THAN ETHER
 SLOWER THAN ETHER
PERCENT VOLATILE BY VOLUME: 0.5%
WEIGHT PER GALLON: 10.1 lbs/gal.

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA III A FLASH POINT: 147°F. LEL: ----
DOT _____
EXTINGUISHING MEDIA: FOAM "ALCOHOL" FOAM CO₂ DRY CHEMICAL WATER FOG 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.

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, hydrogen cyanide and NO_x.

CONDITIONS TO AVOID: Keep from contact with oxidizing materials.

COMPATIBILITY (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.

FACE 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 in and does not relate to use in combination with any other material or in any process.