



MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

SECTION I - MANUFACTURER'S NAME AND CONTACT INFORMATION

MANUFACTURER'S NAME:
XTREME POLISHING SYSTEMS
 2150 SW 10 STREET
 DEERFIELD BEACH FL 33442

INFORMATION TELEPHONE No:
 800-659-5843

EMERGENCY TELEPHONE No:
 866-812-9319

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

PRODUCT NAME : **SC-36 Fast Stain
 Assorted Colors**
 CHEMICAL FAMILY: Chromium III dye complex
 PREPARATION DATE: AUG 28, 2008
 PREPARER: ML

HAZARDOUS MATERIALS
 IDENTIFICATION SYSTEM
 HEALTH: 2
 FIRE: 2
 REACTIVE: 0
 PERSONAL PROTECTION: F

COLOR	INGREDIENTS	C.A.S. NUMBER	WEIGHT PERCENT	OSHA PEL (TWA)	ACGIH TLV (TWA)	NIOSH REL (TWA)
Y E L L O W	SOLVENT YELLOW DYE	Undisclosed	90 - 100%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	CHROMIUM as Cr+3 (Complexed in dye molecule)	7440-47-3	1 - 10%	0.5 mg/m ³	0.5 mg/m ³	0.5 mg/m ³
O B R A N N G E	SOLVENT YELLOW DYE	63982-58-1	100%	N/E	N/E	
	CHROMIUM as Cr+3 (Complexed in dye molecule)	7440-47-3	4.30%	0.5 mg/m ³	1.0 mg/m ³	0.5 mg/m ³
B R O W N	SOLVENT BROWN DYE	Undisclosed	40 - 50%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	SOLVENT YELLOW 13	63982-58-1	40 - 50%	N/E	N/E	
	CHROMIUM as Cr+3 (Complexed in dye molecule)	7440-47-3	~4.30 - 7%	0.5 mg/m ³	1.0 mg/m ³	0.5 mg/m ³
B L A C K	SOLVENT BLACK DYE	Undisclosed	90 - 100%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	CHROMIUM as Cr+3 (Complexed in dye molecule)	7440-47-3	1 - 10%	0.5 mg/m ³	0.5 mg/m ³	0.5 mg/m ³

COLOR	INGREDIENTS	C.A.S. NUMBER	WEIGHT PERCENT	OSHA PEL (TWA)	ACGIH TLV (TWA)	NIOSH REL (TWA)
P U R P L E	SOLVENT RED 119	52256-39-0	40 - 50%	15 mg/m ³ (total dust)	10 mg/m ³ (total dust)	
	SOLVENT BLUE DYE	Undisclosed	35 - 40%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	SOLVENT RED DYE	Undisclosed	5 - 10%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	CHROMIUM as Cr+3 (Complexed in dye molecule)	7440-47-3	~ 1.0 - 3.0%	0.5 mg/m ³	0.5 mg/m ³	0.5 mg/m ³
B R O W N	SOLVENT BROWN DYE	Undisclosed	90 - 100%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	CHROMIUM as Cr+3 (Complexed in dye molecule)	7440-47-3	~6 - 7%	0.5 mg/m ³	0.5 mg/m ³	0.5 mg/m ³
B L U E	SOLVENT BLUE DYE	Undisclosed	70 - 80%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	SOLVENT RED DYE	Undisclosed	10 - 20%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	CHROMIUM as Cr+3 (Complexed in dye molecule)	7440-47-3	~ 1.0%	0.5 mg/m ³	0.5 mg/m ³	0.5 mg/m ³
L I G H T G R E E N	SOLVENT YELLOW DYE	Undisclosed	45 - 50%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	SOLVENT BLUE DYE	Undisclosed	45 - 50%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	CHROMIUM as Cr+3 (Complexed in dye molecule)	7440-47-3	1 - 5%	0.5 mg/m ³	0.5 mg/m ³	0.5 mg/m ³
	COPPER (as Cu dust/mist) Cu complexed in dye molecule	7440-50-8	1 - 5%	1.0 mg/m ³	1.0 mg/m ³	
R E D	SOLVENT YELLOW 13	63982-58-1	50%	N/E	N/E	
	SOLVENT RED 119	52256-39-0	45 - 50%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	CHROMIUM as Cr+3 (Complexed in dye molecule)	7440-47-3	3.0 - 4.3%	0.5 mg/m ³	1.0 mg/m ³	0.5 mg/m ³
T U R Q U I S E	SOLVENT BLUE DYE	Undisclosed	55 - 65%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	SOLVENT YELLOW DYE	Undisclosed	25 - 35%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	CHROMIUM as Cr+3 (Complexed in dye molecule)	7440-47-3	1 - 3%	0.5 mg/m ³	0.5 mg/m ³	0.5 mg/m ³
	COPPER (as Cu dust/mist) Cu complexed in dye molecule	7440-50-8	1 - 7%	1.0 mg/m ³	1.0 mg/m ³	

COLOR	INGREDIENTS	C.A.S. NUMBER	WEIGHT PERCENT	OSHA PEL (TWA)	ACGIH TLV (TWA)	NIOSH REL (TWA)
L B I R G O H W T N	SOLVENT BROWN DYE	Undisclosed	40 - 50%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	SOLVENT YELLOW DYE	Undisclosed	40 - 50%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	CHROMIUM as Cr+3 (Complexed in dye molecule)	7440-47-3	1 - 10%	0.5 mg/m ³	0.5 mg/m ³	0.5 mg/m ³
N A V Y	SOLVENT BLACK DYE	Undisclosed	40 - 50%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	SOLVENT BLUE DYE	Undisclosed	35 - 40%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	SOLVENT RED DYE	Undisclosed	5 - 10%	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	
	CHROMIUM as Cr+3 (Complexed in dye molecule)	7440-47-3	~ 1 - 5%	0.5 mg/m ³	0.5 mg/m ³	0.5 mg/m ³

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (Liquid):	1.25 - 1.39	MELTING POINT:	N/E
% SOLIDS / NON-VOLATILES:	100	SOLVENT SOLUBILITY:	TEST AS APPLICABLE
% TOTAL V.O.C:	0	WATER SOLUBILITY:	INSOLUBLE
% WATER CONTENT:	0	VAPOR PRESSURE:	0
PH:	N/E	BULK DENSITY (Solid):	250 - 400 kg/m ³
APPEARANCE :	POWDER	DECOMPOSITION	>200°C @ 1 atmosphere

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT :	N/A
EXTINGUISHING MEDIA :	CO ₂ , Dry chemical, Foam, Water fog or spray depending on type of fire.
SPECIAL FIREFIGHTING PROCEDURES :	Wear self-contained breathing equipment and fire-proof clothing. Use water spray to cool fire exposed containers if they cannot be safely moved.
UNUSUAL FIRE & EXPLOSION HAZARDS :	None expected

SECTION V - REACTIVITY DATA

STABILITY :	Stable under normal conditions concerning heat, moisture, pressure, ventilation and exposure to incompatible or reactive materials.
CONDITIONS TO AVOID :	Humidity. Excessive color dust during loading/mixing, etc.
INCOMPATIBILITY :	None Known.
HAZARDOUS POLYMERIZATION :	Product will not undergo polymerization.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	In fire: Oxides of carbon and Nitrogen.
POSSIBLE HAZARD REACTIONS:	Dust explosion hazard. Minimum ignition energy: >10 <30 mJ

SECTION VI - HEALTH HAZARDS AND PERSONAL PROTECTION INFORMATION

HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

EYE:	May cause moderate irritation, pain, redness, stinging sensation, swelling, watering, inflammation, itching, burning sensation. With heavy contact, severe irritation, clouding of cornea are possible. Heated processing of liquids that creates mists or vapors may intensify these effects.
SKIN :	May cause varying degrees of irritation to unprotected skin, redness, rash, itching, burning sensation, drying, cracking, pain, discoloration, and other effects. Sufficient absorption through unprotected skin may cause nausea, headache, general discomfort, adding to effects from other exposures. Prolonged or repeated exposure may cause dermatitis (inflammation). Some sensitive or sensitized individuals may experience allergic skin reactions as noted above, especially with repeated or long-term contact. Repeated exposure to powdered product may cause abrasion (wearing away) of skin.
INHALATION :	Depending on duration of unprotected inhalation may cause mild irritation of the nose, throat, lungs and mucous membranes, shortness of breath, sneezing, cough, runny nose, nausea, headache and other effects. Prolonged or heavy exposure, may cause moderate irritation, dizziness, with increase severity of symptoms.
INGESTION :	Depending on amount swallowed, product can cause headache, gastrointestinal irritation, upset stomach, abdominal discomfort, nausea, vomiting (material aspirated into lungs during vomiting is a MEDICAL EMERGENCY, may injure lungs), diarrhea, moderate irritation of mouth, throat, esophagus, stomach, entire gastrointestinal tract, abdominal pain, CNS (Central Nervious System), depression including mental sluggishness, mental confusion, fatigue, weakness, dizziness, drowsiness, faintness, with high dose, severe irritation, incoordination, intoxication, other serious effects.
RESPIRATORY SENSITIZATION:	The possibility of respiratory sensitization caused by inhalation exposure to product dust, vapors, mists or aerosols has not been determined. As a precaution against unknown effects on existing, respiratory conditions, hypersensitivity, allergic reactions, or other unforeseen health effects, be sure to read, understand and follow all supervisor instructions, and instructions for wearing Personal Protection Equipment and clothing. Avoid unprotected inhalation of product in any form. Allergic reactions and sensitivity depend on the individual, and can be unpredictable, especially if unknown to the individual are unexpected.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION :	Remove to fresh air and give artificial respiration (CPR) or oxygen.
INGESTION :	Do not induce vomiting. Forced vomiting of certain chemicals may cause aspiration and lung damage.
SKIN CONTACT :	Immediately remove contaminated clothing. Wash with soap and water.
EYE CONTACT :	Immediately flush eyes with water for at least 15 minutes. Get immediate medical attention.
AGGRAVATED MEDICAL CONDITIONS:	Respiratory problems (asthma, allergies, etc.), skin and eye conditions or disorders, kidney or liver disorders. Heavy or long-term contact may increase effects. Avoid all exposures. Individuals with any of the above-noted conditions or with any known or suspected chemical sensitivities or allergies should avoid working with any chemicals.
CARCINOGENICITY :	NTP: None OSHA: None IARC MONOGRAPHS: Group 3 Unclassifiable for human carcinogenicity
TOXICITY VALUES (LD50):	Oral Rat : Yellow dye: >10000 mg/kg / Skin Rabbit : Yellow dye: Non-irritant.
ADDITIONAL TOXICITY DATA:	Cr+3 : Humans, skin: Allergy reaction, Dermatitis, Respiratory effects. HSDB No.6999

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

RESPIRATORY PROTECTION:	Depending on type of material handled and processing conditions, use approved NIOSH respirator equipment when occupational exposure limits are exceeded.
EYE PROTECTION:	Splash-proof chemical safety goggles. When handling liquids, wear splash-proof goggles under a clear face-shield.
SKIN PROTECTION:	Always wear impervious, chemical-resistant synthetic or rubber gloves. Wear good quality long sleeved work shirt, coveralls, and a rubber or plastic apron. Wash hand after handling and before eating, drinking or using restroom. Shower after each shift. Clean contaminated but reusable protective equipment before reusing and wearing again.
VENTILATION :	Local exhaust should be used to maintain exposure limits below specified amounts recommended by OSHA, NIOSH, or ACGIH and to draw spray, aerosol, vapors, or dusts away from workers and prevent routine inhalation. At least 10 air changes per hour are recommended for good room ventilation.
PROTECTIVE EQUIPMENT:	Consider each worker's environment, all chemicals being handled, temperature, ventilation, and all other conditions.

SECTION VIII - CONTROL MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Take precautionary measures against static discharges when cleaning up leaks or spills of powders, combustibles, or flammable liquids. Containers should be properly grounded with metal straps, cables or other appropriate means to relieve static electricity build-up.

CLEAN UP:

After containing liquid spill by diking and soaking up with inert absorbent material, place in labeled container to be sealed for proper and regulated disposal. Save uncontaminated material for reuse whenever possible. Do not allow liquids to seep into drains, sewers, lakes, rivers, etc.

ENVIRONMENTAL PROTECTION:

Immediately dike liquid spills with inert absorbent material to contain and soak up liquid. Prevent material from entering floor drains, sewers, or any bodies of water. For powder spills, use sweeping compound, sawdust, or other appropriate material to contain dust. If possible, recover any uncontaminated materials to re-use.

WASTE DISPOSAL METHODS: Incinerate, treat, or bury (landfill), after sampling and testing, at facility approved by applicable federal, state and local authorities.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Keep containers cool and dry area, out of direct sunlight, away from high heat, with at least minimal ventilation. Protect all products containing water from freezing.

Empty Containers: May contain residue and/or vapors and should not be reused unless professionally cleaned and reconditioned. Crush if not cleaned, to prevent reuse.

SECTION IX - TRANSPORT INFORMATION

NOT REGULATED FOR TRANSPORT

SECTION X - REGULATORY INFORMATION

FEDERAL REGULATIONS : See Section II for hazardous ingredients as defined by OSHA Hazardous communication rule, 29 CFR 1910, 1200.

SARA 311/312 HAZARD: Immediate / Acute Health Hazard: YES
Chronic / Delayed Hazard: YES
Fire Hazard: NO
Sudden release of Pressure hazard: NO
Reactivity Hazard: NO

DISCLAIMER:

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