

## **MATERIAL SAFETY DATA SHEET**

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Product Name: IFP Series Inisble Synthetic Organic Colorant Pigment Colors Revision  
Date: 04/30/03

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**Black Light World**

**PO Box 26**

**Cub Run, Ky 42729**

**TEL. NO.:(270) 524-5746**

**FAX. NO.:(270) 721-0073**

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### **SPECIAL NOTICE**

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All information, recommendations and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources. However, Black Light World makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product, Additional product literature may be available upon request. Since actual use by others is beyond our control, no warranty express or implied, is made by Black Light World as to the effects of such use, the results to be obtained or the safety and toxicity of the product, nor does Black Light World assume any liability arising out of use by other of the product referred to herein. The data in the MSDS relates only to specific material designated herein and does not relate to use in combination with any other material or in any process.

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### **SECTION I -- IDENTITY INFORMATION**

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Product Name: IFP Series Synthetic Organic Colorant Pigment Colors Revision Date:  
02/04/00

CAS Number Proprietary

HMIS Rating: Health: 2 Fire: 1 Reactivity: 0

Company Identification: Black Light World

PO Box 26

Cub Run, Ky 42729

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Product Class	IFP Invisible Synthetic Organic Colorant
Trade Name	Asst Colors
Product Code	IFP Series

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## **SECTION II – INGREDIENT AND HAZARD INFORMATION**

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Ingredient Name	CAS Number	Percent
Pigment	PROPRIETARY	> 75

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## **SECTION III – HAZARDS IDENTIFICATION**

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### **EYE CONTACT**

May cause irritation.

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### **SKIN CONTACT**

May cause irritation.

### **INHALATION HAZARDS**

May cause irritation.

### **TARGET ORGANS**

This product contains an Yttrium compound. Exposure to Yttrium may cause lung and /or liver damage.

### **CANCER HAZARDS**

No Hazards associated with this product.

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## **SECTION IV – FIRST AID MEASURES**

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### **EYE CONTACT**

Immediately flush with water for at least 15 minutes while holding eyelids open. Call a physician.

### **SKIN CONTACT**

Practice good industrial hygiene. Wash with soap and water.

### **INHALATION**

Remove to fresh air. Treat symptoms. Call physician.

### **INGESTION**

Do not induce vomiting. Give water. Call a physician.

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## **SECTION V – FIRE FIGHTING MEASURES**

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Flammability Class      NA  
Flash Point:              None  
Explosive Range:        None

### **FLAMMABLE PROPERTIES**

During a fire, irritating and toxic gases may be formed. Do not breathe smoke or fumes. Wear suitable protective equipment.

### **EXTINGUISHING MEDIA**

Use dry chemical, alcohol foam, carbon dioxide or water spray when fighting fires involving this material.

### **FIRE FIGHTING INSTRUCTIONS**

Keep unnecessary people away. Isolate area. Stay upwind. Wear self-contained breathing apparatus.

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## **SECTION VI – ACCIDENTAL RELEASE MEASURES**

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### **CONTAINMENT**

This material is hydrophobic and should be prevented from entering the sewer system.

### **CLEAN-UP**

Place in an appropriate recovery or salvage drum for disposal.

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### **CERCLA/SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (TITLE III)**

This is not a regulated material under 40 CFR 117, 302. Notification of spills is not required.

### **EVACUATION**

Not normally necessary. Refer to your organization's Release Response Procedures.

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## **SECTION VII – HANDLING AND STORAGE**

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### **HANDLING**

Use in a well ventilated area. Improper handling may lead to dust cloud formation which,

as with any organic dust, may be an explosive hazard.

## **STORAGE**

Store in a dry area.

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## **SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION**

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Occupational Exposure Limits

ACGIH TLV ACGIH TLV-C ACGIH STEL OSHA STEL OSHA PEL

1.00 mg/m<sup>3</sup> n/est n/est n/est 1.00 mg/m<sup>3</sup>

No exposure limit has been established for this product.

## **ENGINEERING CONTROLS**

General ventilation is recommended. Additional local exhaust ventilation is recommended where dusts, mists, or vapors may be released.

## **RESPIRATORY PROTECTION**

Use NIOSH approved dust mask is recommended.

## **PERSONAL PROTECTIVE EQUIPMENT**

Where contact is likely, chemical resistant gloves and safety glasses or goggles are recommended.

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## **SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES**

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Form:	Powder
Appearance/Color:	Assorted
Odor:	None
Solubility (In Water):	Insoluble
Boiling Range:	None
Evaporation Rate:	Non Volatile
Vapor Density:	Non Volatile
% Volatile Weight	0.0%
% Volatile Volume	0%
Weight/Gallon:	N/E
VOC	None

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**SECTION X – STABILITY AND REACTIVITY**

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Stability: This product is stable

Hazardous Polymerization: Hazardous Polymerization will not occur

**CONDITIONS TO AVOID**

Heat, sparks, and open flame.

**INCOMPATIBILITIES**

Contact with mineral acids can produce hydrogen sulfide.

**HAZARDOUS DECOMPOSITION PRODUCTS**

When material is exposed to high temperatures it may produce oxides of sulfur and/or hydrogen sulfide.

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**SECTION XI – TOXICOLOGICAL INFORMATION**

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No toxicological studies have been conducted on this product.

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**SECTION XII – ECOLOGICAL INFORMATION**

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No studies have been conducted on this product.

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**SECTION XIII – DISPOSAL**

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Dispose in accordance with local, state, and federal regulations.

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**SECTION XIV – TRANSPORT INFORMATION**

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UN Number NOT REGULATED

Packaging Group

Hazard Class

Shipping Name

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**SECTION XV – REGULATORY INFORMATION**

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SARA TITLE III SECTION 313:

This product contains no chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act.

**TOXIC SUBSTANCES CONTROL ACT (TSCA)**

All components in this product are listed, or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) 8 (b) Inventory

**CLEAN WATER ACT**

This product contains no ingredients regulated by the Clean Water Act.

**CLEAN AIR ACT**

This product contains no ingredients regulated by the Clean Water Act.

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#### **HAZARDOUS AIR POLLUTANTS (HAPS)**

This products contains no Hazardous Air Pollutants (HAP's)

#### **CLEAN AIR ACT AMMENDMENTS (ODS)**

No Black Light World product contains an ozone depleting substance (ODS), nor are any of our products manufactured with them.

#### **COALITION OF NORTHEAST GOVERNORS (CONEG)**

This product is in compliance with CONEG (i.e., total cadmium, chromium, lead and mercury < 100ppm).

#### **FDA 21 CFR**

Black Light World products are not listed by the FDA for use under 21 CFR since potential applications are so numerous that specific application must be submitted to the FDA for inclusion in the 21 CFR FDA listings.

#### **SECTION XVI – OTHER INFORMATION**

##### **LABEL INFORMATION**

IFP Invisible Series Synthetic Organic Colorant Pigment Colors

HEALTH – 2 FLAMMABILITY – 1 REACTIVITY – 0

PRECAUTIONS: Avoid contact with skin & eyes. Use and store with adequate ventilation. Avoid breathing dust. FIRST AID: EYES: Flush with water for 15 minutes.

SKIN: Wash with soap and water. INGESTION: Give water, do not induce vomiting. Call a physician.

FIRE FIGHTING USE: Water spray, dry chemical, foam or CO2 (Toxic fumes emitted on burning).

SPILL CONTROL: Sweep up and dispose according to local, state, and federal regulations.

CONTAINS: CAS NO. OR NJ TSRN:

IFP INVISIBLE PIGMENT PROPRIETARY

TARGET ORGANS: LUNG AND LIVER DAMAGE

MATERIAL V.O.C. : NONE

NOTE – Additional information is available from your Employer & Material Safety Data Sheet.

**DISCLAIMER**

The information contained herein is believed to be accurate, but is not warranted. Nothing contained herein constitutes a specification, nor is it intended to warrant suitability for the intended use.

See next page for MSDS for Paint Additive.

MATERIAL SAFETY DATA SHEET

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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NUMBER HMIS CODES

Health 2\*

PRODUCT NAME: Invisible Paint Additive

Flammability Reactivity 00

MANUFACTURER'S NAME EMERGENCY TELEPHONE NO.

Distributed by (270) 524-5746

BLACK LIGHT WORLD

Cub Run, Ky 42729

DATE OF PREPARATION:

27-OCT-05

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Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT CAS No. INGREDIENT UNITS VAPOR PRESSURE

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5 107-21-1 Ethylene Glycol

ACGIH TLV 100 mg/m<sup>3</sup> CEILI (aerosol) 0.12 mm

OSHA PEL 50 ppm CEILING

0.2 14464-46-1 Cristobalite

ACGIH TLV 0.05 mg/m<sup>3</sup> as Resp. Dust

OSHA PEL 0.05 mg/m<sup>3</sup> as Resp. Dust

6 471-34-1 Calcium Carbonate

ACGIH TLV 10 mg/m<sup>3</sup> as Dust

OSHA PEL 15 mg/m<sup>3</sup> Total Dust

OSHA PEL 5 mg/m<sup>3</sup> Respirable Fraction

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Section 3 -- HAZARDS IDENTIFICATION

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ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

In a confined area vapors in high concentration may cause headache,

nausea or dizziness.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

None generally recognized.

**CANCER INFORMATION**

For complete discussion of toxicology data refer to Section 11.

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**Section 4 -- FIRST AID MEASURES**

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**EYES:** Flush eyes with large amounts of water for 15 minutes.

Get medical attention.

**SKIN:** Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

**INHALATION:** If affected, remove from exposure. Restore breathing.

Keep warm and quiet.

**INGESTION:** Do not induce vomiting.

Get medical attention immediately.

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**Section 5 -- FIRE FIGHTING MEASURES**

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**FLASH POINT LEL UEL**

Not Applicable

**FLAMMABILITY CLASSIFICATIONN.A. N.A.**

Not Applicable

**EXTINGUISHING MEDIA**

Carbon Dioxide, Dry Chemical, Alcohol Foam

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**SPECIAL FIRE FIGHTING PROCEDURES**

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

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Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.  
Remove with inert absorbent.

Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY

Not Applicable

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.  
Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.  
This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).  
Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

#### PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

#### EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

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### Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

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PRODUCT WEIGHT 8.99 lb/gal 1077 g/l

SPECIFIC GRAVITY 1.08

BOILING POINT 212 - 500 F 100 - 260 C

MELTING POINT Not Available

VOLATILE VOLUME 75 %

EVAPORATION RATE Slower than ether

VAPOR DENSITY Heavier than air

SOLUBILITY IN WATER N.A.

pH 9.0

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)

2.01 lb/gal 240 g/l Less Water and Federally Exempt Solvents

0.63 lb/gal 76 g/l Emitted VOC

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### Section 10 -- STABILITY AND REACTIVITY

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STABILITY -- Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

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### Section 11 -- TOXICOLOGICAL INFORMATION

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CHRONIC HEALTH HAZARDS

Crystalline Silica (Quartz, Cristobalite) is listed by IARC and NTP.

Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and

possibly cancer.

Ethylene Glycol is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gavage. There is no evidence to indicate it causes birth defects in humans.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems.

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TOXICOLOGY DATA

CAS No. Ingredient Name

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107-21-1 Ethylene Glycol  
LC50 RAT 4HR Not Available  
14464-46-1 Cristobalite  
LD50 RAT 4700 mg/kg  
LC50 RAT 4HR Not Available  
LD50 RAT Not Available  
471-34-1 Calcium Carbonate  
LC50 RAT 4HR Not Available  
LD50 RAT Not Available

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Section 12 -- ECOLOGICAL INFORMATION

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ECOTOXICOLOGICAL INFORMATION

No data available.

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Section 13 -- DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.  
Incinerate in approved facility. Do not incinerate closed container.  
Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

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Section 14 -- TRANSPORT INFORMATION

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No data available.

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Section 15 -- REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION  
CAS No. CHEMICAL/COMPOUND % by WT % Element

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107-21-1 Ethylene Glycol 5

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

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Section 16 -- OTHER INFORMATION

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This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.