



FACE INKS Pigments

** MATERIAL SAFETY DATA SHEET **

SECTION 1 – PRODUCT IDENTIFICATION

TRADE NAME: Face Inks
CODE: Cosmetic
COLOR NAME: NUBIAN
EFFECTIVE DATE: September-2008 (Rev.1)

DESCRIPTION

Purified colors are colorants manufactured for use in a variety of food, drug and cosmetic applications. These products include U.S. FDA Certified Organic Colorants and Purified Inorganic Colorants as outlined in 21 CFR parts 73 & 74.

SECTION II – COMPOSITION OF INGREDIENTS

| Ingredient | CI NO. | EINECS NO. | CAS NO. |
|-----------------------|------------------------|-----------------------------------|---------------------------------------|
| Water | N/A | 231-791-2 | 7732-18-5 |
| Glycerin | N/A | 200-289-5 | 56-81-5 |
| Isopropyl Alcohol | N/A | 200-661-7 | 67-63-0 |
| Iron Oxides | 77491, 77492, 77499 | 235-442-5 215-168-2 2152780 | 12227-89-3 1332-37-2 51274-00-1 |
| Titanium Dioxide | 77891 | 236-675-5 | 13463-67-7 |
| Chromium Oxide Green* | 77288 | 215-160-9 | 1308-38-9 |

* 77288 - Free from Chromate ion

SECTION III – HAZARDS IDENTIFICATION

This product is not considered to be a hazardous substance as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200).

EMERGENCY OVERVIEW:

CAUTION!

Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point. Vapors from this material may settle in low or confined areas or travel a long distance to an ignition source and flash back explosively. This material may produce a floating fire hazard.

SECTION IV – FIRST AID MEASURES

EYE CONTACT

Flush eyes thoroughly with large amounts of water, lifting lids periodically for at least fifteen minutes. Get medical attention if redness or irritation occurs.

SKIN CONTACT

Wash skin thoroughly with soap and water. Remove severely contaminated clothing. Seek medical attention in the unlikely event that skin irritation occurs (redness etc.).

INHALATION

Remove to fresh air. Get medical attention if breathing is difficult or lung irritation is present.

INGESTION

Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get immediate medical attention.



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SECTION V – FIRE FIGHTING MEASURES

FLAMMABILITY DATA

Flash Point (°C) N/A

Flammable Limits

LEL: 2 Vol%

UEL: 12 Vol%

Autoignition Temperature: No data

Dust Cloud Ignition Temperature: No data

Dust Layer Ignition Temperature: No data

Extinguishing Media

Material is not combustible. Use extinguishing agents that are suitable to the surrounding fire. Carbon dioxide, dry chemical or alcohol resistant foam recommended. Apply water spray to cool exposed closed containers.

Special Fire-Fighting Procedures

NIOSH-approved Self-Contained Breathing Apparatus (SCBA) and full protective clothing/equipment recommended.

Unusual Fire and Explosion Hazards

Liquid *Organic & Inorganic* Pigments: Material is not combustible. Fire or excessive heat may produce hazardous decomposition of products. With the *Organics* – thermal decomposition may produce oxides of carbon and nitrogen; explosive vapor/air mixture.

NFPA RATINGS

Health: 1

Flammability: 0

Reactivity: 0

HMIS RATINGS

Health: 1

Flammability: 0

Reactivity: 0

HMIS & NFPA RATINGS:

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions

Remove possible causes of ignition – Do not smoke. Keep away from heat, sparks, and flame. Ensure sufficient supply of air/ventilation. Avoid inhalation and contact with eyes and skin. Airborne *Organic* pigment dust (caused by drying of liquid pigment) may be an explosive hazard. Secure possible sources of ignition and avoid dusting.

Small Spill

For liquid pigments, collect using absorbent materials. Diluting with water is possible. Flush residue using copious water. For dry powder spills, inert materials such as sand may be added to control dusting prior to cleanup. Avoid excessive generation of dust. If dust is generated, use appropriate respiratory protection. Industrial grade vacuum sweepers are also recommended. Place spilled material into appropriate waste containers for disposal.

Large Spill

For liquid pigments, collect using absorbent materials. Diluting with water is possible. Flush residue using copious water. Dispose at suitable refuse site according to local and national official regulations. For dry powders, contain spilled material immediately with an inert substance such as sand or earth. Use plastic or aluminum shovel to transfer diluted waste material into appropriate containers for disposal. Materials, which cannot be recycled into your process, should be land filled in accordance with Federal, State and Local environmental control regulations.



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SECTION VII - HANDLING AND STORAGE

Handling

Provide adequate ventilation in storage area. Keep away from sources of ignition – Do not smoke. Keep away from heat, sparks, and flame. Keep container closed when not in use.

Storage

Store at 4° C to 32° C (40° F to 90° F) away from direct sources of heat or ignition. Avoid extreme temperatures. Empty containers may contain product residues and should be handled appropriately. Position containers so that any labeling information is visible.

Special Precautions & Storage Data:

Average Shelf Life: Up to 10 years when Unopened

Usage After Open: Up to 12 months when Opened

SECTION VIII - HEALTH HUMAN DATA

Please note that there has been no evidence of the health effects listed for this product, nor would it anticipate the occurrence of these health effects when the product is used under normal conditions.

HUMAN HEALTH DATA

Primary Route(s) of Exposure: Eye Contact; Skin Contact; Inhalation

Human Effect and Symptoms of Overexposure:

Acute

On the basis of Animal Toxicity Data, **Face Inks** expects this product to be non-irritating to the eyes and skin and essentially non-toxic by ingestion. However, excessive exposure to airborne dust (*from pigment that has dried*) may reduce visibility and/or cause unpleasant deposits in the eyes, ears and nose. Injury to the skin or mucous membrane can occur by direct mechanical action or by rigorous skin cleaning necessary for removal of pigment.

Other

Prolonged inhalation (6 to 10 years) of iron oxide fume has been reported to produce changes in lung x-rays of exposed individuals. This condition, siderosis, is considered to be a benign pneumoconiosis that exhibits no adverse health effects. Siderosis has been observed among occupations such as arc-welders where iron oxide fumes are present. To the best of our knowledge, this condition has not been observed after prolonged exposure to iron oxide pigments.

Medical Conditions Aggravated by Exposure

None known.

Carcinogenicity

NTP: Not listed

IARC: Not Listed

OSHA: Not Listed

Other: Based on information currently available, this product is not considered a carcinogen.



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SECTION IX - EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation:

Local Exhaust: None required

Mechanical (General): Provide adequate ventilation.

Personal Protection

Eye Protection:

Safety glasses. Wear approved safety glasses with side shields

Hand Protection:

Wear rubber gloves

Skin Protection:

Wear protective working garments (e.g. safety shoes, long-sleeved protective working garments). Launder contaminated clothing before reuse.

Respiratory Protection:

Liquid Pigment: None required in well-ventilated areas.

Raw Powders (should pigment dry to dust form): Use NIOSH approved respiratory protection where exposure levels exceed regulatory limits for hazardous components and/or for nuisance dust.

Exposure Limits

There are no ACGIH TLV's or OSHA PEL's established for this product.

The OSHA PEL for nuisance dust is 15 mg/m³ (total dust), and 5 mg/m³ (respirable dust) recommended. The recommended ACGIH TLV for nuisance dust is 10 mg/m³.

SECTION X - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL APPEARANCE: Liquid

COLOR: According to specification

ODOR: Slight Alcoholic

pH: 4-10 (water extract)

pH-VALUE UNDILUTED: Not applicable

RELATIVE DENSITY: Not applicable

MELTING POINT: No data

SPECIFIC GRAVITY: 4.5-5.2

SOLUBILITY: Mixable

PERCENT VOLATILE: None

VAPOR PRESSURE: Not applicable

BOILING POINT: No data

VOLATILE ORGANIC COMPOUNDS (VOC's) (EPA METHOD 24/24A): None



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SECTION XI - STABILITY AND REACTIVITY

GENERAL:

This product is a stable compound and hazardous polymerization will not occur.

CONDITIONS TO AVOID:

Temperatures of 100° C (212°) or over will boil water away.

INCOMPATIBILITY:

Avoid strong oxidizing agents such as peroxides, chlorates, perchlorates, nitrates and permanganates. Oxidizing materials may vigorously evolve oxygen in large amounts. Avoid heating, open flames, ignition sources and electrostatic charge.

HAZARDOUS DECOMPOSITION PRODUCTS:

When involved in a fire, decomposition on burning of pigments may evolve noxious gases, which are toxic. These compounds may include carbon monoxide, carbon dioxide, nitrous oxides or hydrogen chloride, depending on the pigment type.

SECTION XII - TOXICOLOGICAL INFORMATION

GENERAL

Based upon industry-wide experience over many years of manufacturing and published toxicological studies, cosmetic pigments in general are considered to have low levels of toxicity. There is no evidence of harmful effects from available information.

There are no established permissible exposure limits for this product.

ACUTE (SHORT-TERM) TOXICITY

Ingestion/Oral, LD₅₀: Greater than 5000 mg/kg rat (1)

Skin contact: May cause minor irritation with itching and possible slight local redness. Prolonged or repeated contact may cause drying of the skin. No evidence of harmful effects from available information.

Eye contact: Accidental Direct Eye Contact may cause abrasion and irritation. Corneal injury may occur.

Inhalation: Not expected to be an inhalation hazard. However, high concentrations of vapor may cause irritation of the respiratory tract with coughing and chest discomfort. May also cause headache and drowsiness. Excessive levels of fumes may result in discomfort after repeated or prolonged exposures.

Ingestion: Maybe harmful if swallowed. Contact Physician Immediately.

CHRONIC (LONG-TERM TOXICITY)

No known published data available and no adverse effects expected.

Sensitization: Data not established for this product

Chronic Toxicity: Data not established for this product

Reproductive Toxicity: Data not established for this product

MUTAGENICITY

No mutagenic effects known or expected.

(1) Toxicological tests performed on chemically identical products.



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SECTION XIII- ECOLOGICAL INFORMATION

This product has not been evaluated for its ecotoxicity. However, the biodegradation of *Organic & Inorganic* colorants under aerobic conditions is expected to be poor and there is no evidence to suggest they create any significant ecological problems when released into the environment. Since *Organic & Inorganic* pigments are generally insoluble compounds, they are believed to have minimal bioaccumulation and bioavailability characteristics.

SECTION XIV - DISPOSAL CONSIDERATIONS

General

This product must be disposed of in accordance with all applicable Federal, State and local regulations. If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24).

In the cases of spills, leaks or release, review sections: 'FIRE FIGHTING MEASURES'; 'ACCIDENTAL RELEASE MEASURES' & 'EXPOSURE CONTROLS/PERSONAL PROTECTION'

Waste Management

- Incineration or land filling are recommended disposal techniques. Contact the state and local environmental agency for specific rules.
- This product is not identified as a RCRA hazardous waste under 40 CFR 261, and is not regulated under CERCLA (Superfund).

SECTION XV - TRANSPORT INFORMATION

| | |
|--|--------------------|
| D.O.T. SHIPPING NAME (49 CFR 172.101-102)..... | : Not regulated |
| D.O.T. HAZARD CLASS (49 CFR 172.101-102)..... | : None |
| D.O.T. LABEL..... | : None |
| D.O.T. PLACARD..... | : None |
| BILL OF LADING DESCRIPTION..... | : Pigments NOI Dry |
| CERCLA SUBSTANCE (49 CFR)..... | : Not regulated |
| REPORTABLE QUANTITY (RQ)..... | : None |

INTERNATIONAL

| | |
|-------------------------------|-----------------|
| UN/NA NUMBER..... | : Not regulated |
| IMDG/IACO CLASSIFICATION..... | : Not regulated |
| IATA CLASSIFICATION..... | : Not regulated |



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SECTION XVI - REGULATORY INFORMATION

OSHA Hazard Communication Standard Status

This product is not considered to be a hazardous substance under OSHA's Federal Hazard Communication Standard 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA) Status

All of the ingredients of this material have been reported to the U.S. EPA and are included in the TSCA chemical inventory.

SARA Title III

Section 302 (EHS)..... : None

Section 311/312 (Acute)..... : None

RCRA

Not regulated as a hazardous waste under RCRA.

Supplemental State Compliance Information

California State: Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

Warning: This product may contain such chemicals as Lead (Pb); Arsenic (As); Mercury (Hg); Chromium Extract (2% HaOH); Antimony (Sb), Beryllium (Be), Cobalt (Co), Nickel (Na) and Selenium (Se) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm. This product is considered to have no significant risk under the *safe harbor levels* pursuant to the Proposition 65 Safe Harbor Levels.

While this product may contain detectable amounts of the above listed chemicals, we can assure you our products meet all the Federal requirements under the Food, Drug and Cosmetic Act for safety and effectiveness.

SECTION XVII- OTHER INFORMATION

For more information contact Product Safety at

Face Inks

Pigments

The information and recommendations contained herein is based on data considered accurate and has been compiled from sources believed to be reliable and represent the most reasonable opinion on the subject when the MSDS was prepared. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. **Face Inks** assumes no responsibility for the personal injury or property damage caused by the material. Users assume all risks associated with the use of the material.