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# MATERIAL SAFETY DATA SHEET

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## SECTION I – PRODUCT AND COMPANY INFORMATION

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**Product Name:** STARDEK NATURE STAIN

**Product Number:** 6C11B629

**Effective Date:** 10/16/2006

**Company Identification:**

Color Crown Corporation  
928 Sligh Avenue  
Seffner, FL 33584

**Product Description:**

Aqueous pigment dispersion used in water based  
paints and inks.

**Telephone:** (813) 655-4880

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## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	CAS NUMBER
Umber	0012713-03-0
Manganese Oxide	0001317-34-6
Carbon Black	0001333-86-4
Silica-Crystalline	0014808-60-7

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

**Notes:** No Additional Information

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## SECTION 3 – HAZARDS IDENTIFICATION

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**Emergency Overview:**

See below for product details

**Acute Health Effects:**

May cause eye irritation. Skin contact may discolor skin due to pigment.

**Chronic Health Effects:**

**CARBON BLACK:** No serious health effects have been established in man. Inflammation, lung fibrosis, and lung tumors have been observed in animals at levels which overload lung clearance mechanisms. Carbon black contains varying amounts of polynuclear aromatic compounds (PNAs) which have been found to cause cancer in animals. Solvent extracts of carbon black are carcinogenic to the skin of mice. It is classified by IARC to be a known animal carcinogen and a possible human carcinogen (Group 2B). **SILICA-CRYSTALLINE:** When inhaled in particulate form (dust) over a long period of time, silica may cause respiratory disease (silicosis).

**Signs / Symptoms Of Exposure:**

Irritation

**Routes of Exposure / Entry:**

Skin contact, Inhalation, Ingestion, Eye Contact

**Target Organs:**

Eyes, Respiratory tract, Skin

**Medical Conditions Aggravated By Exposure:**

Pre-existing skin problems may be aggravated by prolonged or repeated contact.

**Carcinogenic Status:**

SILICA-CRYSTALLINE: IARC – Group 1; NTP – Known Carcinogen; OSHA – Regulated as a Carcinogen; ACGIH – A2. CARBON BLACK: IARC – Group 2B; ACGIH – A4, Not classifiable as a human Carcinogen.

**Reproductive Effects:**

None Expected

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**SECTION 4 – FIRST AID MEASURES**

If irritation or other symptoms (as noted above) occur or persist from any route of exposure, remove the affected individual from the area: See a physician/get medical attention.

**Eye Contact:**

Immediately flush eyes with plenty of clean water for an extended time, not less than five (5) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion.

**Skin Contact:**

Wash the affected area thoroughly with plenty of water and soap.

**Inhalation:**

If affected, remove to fresh air. See a physician.

**Ingestion:**

No ingestion effects known. Treat symptomatically. See a physician.

**Notes To Physician:**

No Additional Information

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**SECTION 5 – FIRE FIGHTING MEASURES**

**NFPA Flammability Class:** IIB

**Flash Point** 225.0 °F (107.2 °C) (Formaldehyde)

**Explosive Range:** LEL Not Available

UEL Not Available

**Notes:** No Additional Information

**Fire and Explosive Properties:** This product is not known to present any fire hazard.

**Extinguishing Media:**

NFPA Class III B (Combustible liquid): Use water spray, ABC dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

**Fire Fighting Instructions:**

Use water/water spray to cool fire exposed containers. Wear self-contained breathing apparatus (SCBA) equipped with a full face piece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations.

**Unusual Fire / Explosion Hazards:**

None known

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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### Containment Techniques:

Contain spill. If spilled in an enclosed area, ventilate.

### Clean-up Techniques:

Wear proper personal protective clothing and equipment. Do not flush into public sewer, water systems or surface waters. Soak up large spills residue and small spills with an inert absorbent. Place into labeled, closed container; store in safe location to await disposal.

### Unusual Fire / Explosion Hazards:

None Known

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## SECTION 7 – HANDLING AND STORAGE

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### Handling:

Use under well-ventilated conditions. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product.

### Storage:

Keep container closed when not in use. Do not store in open, unlabeled or mislabeled containers.

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## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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Chemical Name	ACGIH-TWA		ACGIH-STEL	OSHA-TWA	OSHA-STEL
Umber	N/E	N/E	N/E	N/E	
Manganese Oxide	0.20 mg/m <sup>3</sup>	N/E	5.00 mg/m <sup>3</sup> (ceiling)	N/E	
Carbon Black	3.50 mg/m <sup>3</sup>	N/E	3.50 mg/m <sup>3</sup>	N/E	
Silica-Crystalline	0.05 mg/m <sup>3</sup>	N/E	0.10 mg/m <sup>3</sup>	N/E	

### Notes:

The exposure limits for silica-crystalline refer to the respirable fraction of dust.

### Engineering Controls:

Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapor away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS. (Ventilation guidelines /techniques may be found in publications such as Industrial Ventilation: American Conference of Governmental Industrial Hygienists, 1330 Kemper Meadow Drive, Cincinnati, OH, 45240-1634, USA.)

### Eye/Face Protection

Safety glasses or goggles required

### Skin Protection:

Wear protective gloves

### Respiratory Protection:

Respiratory protection is not needed with proper ventilation. Wear an approved respirator (e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the exposure limit(s) of any chemical substance listed in this MSDS. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

### General Protection:

No additional information

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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**Form:** Liquid  
**Appearance:** Olive  
**Odor:** None  
**Solubility In Water:** Dilutable  
**Evaporation Rate:** Not Applicable  
**Vapor Pressure:** Not Determined  
**Melting Point:** Not Applicable  
**Vapor Density:** Heavier than air  
**Partition Coefficient:** Not Applicable

**pH:** 8-10  
**% Volatile By Weight:** 55.5%  
**Specific Gravity:** 1.4  
**VOC:** 1.0%  
**Boiling Point °F:** Not Determined  
**Boiling Point: °C:** Not Determined

**Notes:** No Additional Information

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## SECTION 10 – STABILITY AND REACTIVITY

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**Stability:** This product is stable

**Hazardous Polymerization:**  
Hazardous polymerization will not occur.

**Notes:** No Additional Information

**Conditions To Avoid:**

Do not freeze. Do not expose to excessive heat or ignition sources.

**Incompatibility With Other Materials:**

Avoid contact with strong acids. When exposed to acids, hazardous gases may be liberated.

**Hazardous Decomposition Products:**

Carbon Dioxide, Carbon Monoxide

**Additional Reactivity / Stability Information:**

None

**Thermal Processing Emissions:**

Not Applicable

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## SECTION 11 – TOXICOLOGICAL INFORMATION

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Caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

<b>Chemical Name: Species</b>	<b>LC50 Inhalation: Species</b>	<b>LD50 Oral: Species</b>	<b>LD50</b>	<b>Skin:</b>
Umber	N/E	N/E	N/E	
Manganese Oxide	N/E	N/E	N/E	
Carbon Black	N/E	N/E	N/E	
Silica-Crystalline	N/E	N/E	N/E	

<b>Chemical Name:</b>	<b>LC50 Inhalation: Species</b>	<b>LD50 Oral: Species</b>	<b>LD50 Skin:</b>	<b>Species</b>
Umber	N/E	N/E	N/E	
Manganese Oxide	N/E	N/E	N/E	
Carbon Black	N/E	N/E	N/E	
Silica-Crystalline	N/E	N/E	N/E	

As with all chemicals for which test data are limited or do not exist, caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

No toxicity studies have been conducted on this product.

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## SECTION 12 – ECOLOGICAL INFORMATION

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No ecological testing has been conducted on this product.

**Notes:** No Additional Information

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## SECTION 13 – DISPOSAL INFORMATION

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For waste disposal purposes, this product is not known to be defined or designated as hazardous by current provisions of the Federal (EPA) Resource Conservation and Recovery Act (RCRA, 40CFR261). Incinerate waste product when in liquid form (i.e., as supplied) in a properly permitted (approved) incineration facility in accordance with federal, state and local regulations. Liquids cannot be disposed of in a landfill.

### US RQ

Not Applicable

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## SECTION 14 – TRANSPORTATION INFORMATION

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**UN/NA Number:** N/A

**Hazard Class:** N/A

**IMDG Class:** N/A

**Packing Group:** N/A

**ICAO/IATA Class:** N/A

**TDG Class:** N/A

**Name of Material:** Not Regulated

**Notes:** No Additional Information

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## SECTION 15 – REGULATORY INFORMATION

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This MSDS has been prepared in accordance with the hazard criteria of the OSHA Hazard Communication Standard, 29 CFR 1910.1200

### U.S Toxic Substance Control Act:

All components of this product are either listed on the U.S. Toxic Substance Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations. One or more components are not known to be listed on the United States TSCA Inventory of Chemical Substances.

### U.S. CERCLA – SARA:

#### SARA Title III Section 312 Hazard Category (40 CFR 311/312):

Not Hazardous

**SARA Section 313:** This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372:

None Known

### California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS #
Carbon Black	0001333-86-4
Silica-Crystalline	0014808-60-7
Formaldehyde	0000050-00-0

### Warning:

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The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards:

None known to be present or none in reportable amounts for occupational exposure as per OSHAS approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

The chemical identity of some or all components present is confidential business information (trade secret) and is being withheld as permitted by 29CFR1910.1200 (i).

**Canadian Domestic Substances List (DSL):**

Canadian DSL: One or more components of this product are not on the Canadian Domestic Substances List (DSL) of the Non-Domestic Substances List (NDSL).

**Canadian Ingredient Disclosure List:**

The following components are on the Canadian Ingredient Disclosure List (WHMIS):

Manganese Oxide  
Carbon Black  
Silica-Crystalline

**Canadian WHMIS Class:**

**Notes:** No Additional Information

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

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**SECTION 16 – OTHER INFORMATION**

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**Notes:** No Additional Information

**HMIS Rating**

**Health:** 1      **Flammability:** 0      **Reactivity:** 0      **Personal Protection:** X

**NFPA Rating**

**Health:** 1      **Flammability:** 0      **Reactivity:** 0

Key: 0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme

Hazardous Materials Identification System (HMIS), National Paint and Coating Assn. rating applies to product “as packaged” (i.e., ambient temperature). Ratings are based upon HMIS® Rating Manual 1984. Values do not reflect HMIS® III.

National Fire Protection Association (NFPA) rating identifies the severity of hazards of material during a fire emergency (i.e., “on fire”).

A2: Suspected human carcinogen  
A3: Animal carcinogen  
CAS NO: Chemical Abstract Service Registry Number  
IARC: International Agency for Research on Cancer  
Group 1: Carcinogenic to humans  
Group 2A: Probably carcinogenic to humans  
Group 2B: Possibly carcinogenic to humans

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Group 3: Unclassified as a carcinogen to humans  
MSHA: Mine Safety and Health Administration  
NIOSH: National Institute for Occupational Safety and Health  
NTP: National Toxicology Program  
N/A: Not Applicable  
N/E: None Established  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
PNOC: Particulates Not Otherwise Classified  
RTK: Right To Know  
STEL: Short Term Exposure Limit (15 minute Time Weighted Average)  
TLV: Threshold Limit Value  
C: Ceiling Limit  
S: Skin notation refers to the potential significant contribution to the overall exposure by the cutaneous route including mucous membranes and the eyes and by direct skin contact with the substance.  
WHMIS: Canadian Workplace Hazardous Materials Information System