



MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)

Page 1 of 6

BROWN STARDEK II COLORANT

MANUFACTURE'S NAME:

Color Crown Corporation
928 E. Sligh Ave.
Seffner, FL 33584

EMERGENCY TELEPHONE NUMBER

Chemtrec (800) 424-9300

TELEPHONE NUMBER FOR INFORMATION

(813) 655-4880

Date Prepared: January 23, 2004

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Common Name CAS#	Approx Wt%	Chemical Name
Trade Secret: PROPRIETARY PIGMENT	20 – 25	PROPRIETARY PIGMENT
TALC, MAGNESIUM SILICATE HYDRATE 14807 – 96-6	15 – 20	TALC (MG3H2 (S103)4)
ETHYLENE GLYCOL 107-21-1	15 – 20	1, 2 – Ethanediol
DIETHYLENE GLYCOL 111-46-6	5 – 10	Diethylene glycol
Trade Secret: PROPRIETARY ADDITIVE	1 – 5	PROPRIETARY ADDITIVE
Trade Secret: PROPRIETARY ADDITIVE	1 – 5	PROPRIETARY ADDITIVE
CARBON BLACK 1333-86-4	1 – 5	Carbon Black
Trade Secret: PROPRIETARY ADDITIVE	1 – 5	PROPRIETARY ADDITIVE

If this section is blank there are no hazardous components per OSHA guidelines.

SECTION III - HEALTH DATA

Primary Routes of Exposure:

Inhalation

Ingestion

Product ID: BROWN STARDEK II COLORANT

Skin absorption

Emergency Overview:

This section not in use.

This product contains ingredients that may contribute to the following potential acute health effects:

Inhalation Effects:

May cause irritation of the respiratory tract. May irritate the lungs. May irritate mouth, nose, and throat.

Eye Contact:

Corneal Injury / eye damage.

Skin Contact:

May cause moderate skin irritation.

MATERIAL SAFETY DATA SHEET

Page 2 of 6

IDENTITY (AS USED ON LABEL AND LIST)

BROWN STARDEK II COLORANT

SECTION III - HEALTH DATA

Skin Contact:

May cause moderate skin irritation.

Acute Ingestion:

Irritation of gastrointestinal tract.

Other Effects:

None known.

This product contains ingredients that may contribute to the following potential chronic health effects:

May cause dermatitis. Possible birth defects hazard. Contains ingredients which may cause birth defects based on animal data. May cause damage to the nervous system. Possible cancer hazard. Contains ingredients which may cause cancer based on animal data. Risk of cancer depends on duration and level of exposure. May cause kidney damage. May cause liver damage.

See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

If this section is blank, no information is available.

SECTION IV – FIRST AID MEASURES

Inhalation:

If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention.

Eye Contact:

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Skin Contact:

In case of contact, immediately flush with plenty of soap and water for at least 14 minutes. If irritation persists, get medical attention.

Ingestion:

If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical attention. If swallowed, get medical attention immediately.

Medical conditions aggravated by exposure: Any respiratory or skin condition.

SECTION V - FIRE FIGHTING MEASURES

Flash point (Fahrenheit) :	240°F (116° C) TCC/PM
Lower explosive limit:	Not available. %
Upper explosive limit:	Not available. %
Autoignition temperature:	Not available. °F (°C)
Sensitivity to impact:	No.
Sensitivity to static discharge:	Sensitivity to static discharge is not expected.
Hazardous combustion products:	See Section 10.

Unusual fire and explosion hazards:

None known.

Extinguishing media:

Carbon dioxide, dry chemical, foam and/or water fog.

Fire fighting procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Use water spray to cool nearby containers and structures exposed to fire.

MATERIAL SAFETY DATA SHEET

IDENTITY (AS USED ON LABEL AND LIST)

BROWN STARDEK II COLORANT

SECTION VI - ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled:

Ventilate area. Avoid breathing of vapors. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 5, "Unusual Fire and Explosion Hazards", for proper container and storage procedures. Avoid contact with eyes.

SECTION VII – HANDLING AND STORAGE

Precautions to be taken in handling and storage:

Keep container closed when not in use.

SECTION VIII – PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

Personal Protective Equipment

Eye and face protection:

Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eye.

Skin Protection:

Appropriate chemical resistant gloves should be worn. To prevent skin contact wear protective clothing covering all exposed areas.

Respiratory Protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

Ventilation:

Required when spraying or applying in confined area.

Exposure Guidelines:

OSHA Permissible Exposure Limits (PEL's)

Common Name Designations CAS#	Approx Wt%	TWA (final)	Ceiling Limits (final)	Skin
Trade Secret: PROPRIETARY PIGMENT	10 – 25	10 mg/m3 TWA		
TALC, MAGNESIUM SILICATE HYDRATE 14807-96-6	15 – 20	See Table Z-3		
ETHYLENE GLYCOL 107-21-1	15 – 20		50 PPM	
CARBON BLACK	1 – 5	3.5 MG/M3 TWA		

ACGIH Threshold Limit Value (TLV's)

Common Name Designations CAS#	Approx Wt%	TWA	STEL	Ceiling Limits	Skin
Trade Secret: PROPRIETARY PIGMENT	20 – 25	5 mg/m3 TWA (welding fumes, Dust, total Particulate as Fe)			
TALC, MAGNESIUM SILICATE HYDRATE 14807-96-6	15 – 20	2 MG/M3 TWA (this TLV is for the respirable fraction of dust for Tald containing no asbestos and <1% crystalline silica)			
ETHYLENE GLYCOL 107-21-1	15 – 20	50 PPM		C 100 MG/M3 (aerosol)	
CARBON BLACK 1333-86-4	1 – 5	3.5 mg/m3 TWA			

If this section is blank, no information is available.

MATERIAL SAFETY DATA SHEET

Page 4 of 6

IDENTITY (AS USED ON LABEL AND LIST)

BROWN STARDEK II COLORANT

SECTION IX - PHYSICAL PROPERTIES

Odor: Normal for this product type.
Physical State: Liquid
pH: Not determined.
Vapor pressure: 24 mmHG @77°F (25° C)
Vapor density (air = 1.0): 3.7
Boiling Point: 212° F (100°C)
Solubility in water: Soluble
Coefficient of water/oil distribution: Not determine.
Density (weight per gallon): 12.93
Specific gravity (water = 1): 1.55
Evaporation rate (butyl acetate = 1.0): .4

SECTION X - STABILITY AND REACTIVITY

Stability: This product is stable.
Conditions to avoid: None known
Incompatibility: Strong oxidizers.
Hazardous polymerization: None anticipated.
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

Sensitivity to static discharge: Sensitivity to static discharge is not expected.

SECTION XI - TOXICOLOGICAL INVORMATION

Common Name CAS#	Approx. Wt%	IARC Group 1 – Human Evidence	IARC Group 2A- limited human data	IARC Group 2b- sufficient animal data
CARBON BLACK 1333-86-4	1 – 5			Monograph 65, 1996

Common Name CAS#	Approx. Wt %	NTP Known carcinogens	NPT Suspect carcinogens	NTP Evidence of carcinogenicity
TALC, MAGNESIUM SILICATE HYDRATE 14807-96-6	15 – 20			male rat – some evidence; female rat- clear evidence; male mice-no evidence; female mice – no evidence

Common Name CAS#	Approx. wt%	OSHA Select carcinogens	OSHA Possible select carcinogens	ACGIH Carcinogens
CARBON BLACK 1333-86-4	1 – 5		Monograph 65, 1996 IARC – Group 2B (Possibly carcinogenic to humans)	A4-Not classifiable as a Human Carcinogen

If this section is blank, no information is available.

SECTION XII - ECOLOGICAL DATA

Not available at this time.

SECTION XIII - DISPOSABLE CONSIDERATIONS

MATERIAL SAFETY DATA SHEET

IDENTITY (AS USED ON LABEL AND LIST)

BROWN STARDEK II COLORANT

SECTION XIV – TRANSPORTATION INFORMATION

U.S. Department of Transportation

Proper Shipping Name: PAINT, NOT REGULATED
UN ID Number: NRPAIN

49 CFR Hazardous Material Regulations Parts 100-180

The supplier will apply the combustible liquid exception in 49 CFR 173.150 (f), limited quantity exceptions and consumer commodity rules, when authorized. Please check 49 CFR parts 100-180 to determine if the use of these exceptions applies to your shipments when re-shipping our products.

International Air Transport Association:

Proper Shipping Name: PAINT, NOT REGULATED
UN ID Number: NRPAIN

International Maritime Organization:

Proper Shipping Name: PAINT, NOT REGULATED
UN ID Number: NRPAIN

SECTION XV – REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

Common Name LBS. CAS#	Approx. Wt %	SARA 302	SARA 313	CERCLA	RQ	IN
Trade Secret: PROPRIETARY PIGMENT	20 – 25					
TALC, MAGNESIUM SILICATE HYDRATE 14807-96-6	15 - 20					
ETHYLENE GLYCOL 107-21-1	15 – 20		form R reporting Required for 1.0% deminimis concentration	5000		
DIETHYLENE GLYCOL 111-46-6	5 – 10					
Trade Secret: PROPRIETARY ADDITIVE	1 – 5					
Trade Secret: PROPRIETARY ADDITIVE	1 - 5					
CARBON BLACK 1333-86-4	1 – 5					
Trade Secret: PROPRIETARY ADDITIVE	1 – 5					

SARA 311/312 Hazard Class:

Acute: Yes
Chronic: Yes
Flammability: No

Reactivity: No
Sudden Pressure: No

MATERIAL SAFETY DATA SHEET

Page 6 of 6

IDENTITY (AS USED ON LABEL AND LIST)

BROWN STARDEK II COLORANT

U.S. STATE REGULATIONS:

Pennsylvania Right To Know:

PROPRIETARY ADDITIVE	Trade Secret
PROPRIETARY ADDITIVE	Trade Secret
TALC, MAGNESIUM SILICATE HYDRATE	14807-96-6
ETHYLENE GLYCOL	107-21-1
DIETHYLENE GLYCOL	111-46-6
PROPRIETARY PIGMENT	Trade Secret
CARBON BLACK	1333-86-4
PROPRIETARY ADDITIVE	Trade Secret

Additional Non-Hazardous Materials

IRON OXIDE	51274-00-1
WATER	7732-18-5

Rule 66 Status of product : Not photochemically reactive.

INTERNATION REGULATIONS – Chemical Inventories

TSCA Inventory: All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List: Not all components in this product are listed on the Domestic Substance List.

SECTION XVI – OTHER INFORMATION

HMIS Codes

Health:	3
Flammability:	1
Reactivity:	1
PPE:	X – See Section 8 for Personal Protective Equipment (PPE).

Abbreviations:

OSAH – Occupational Safety and Health Administration, IARC – International Agency for Research on Cancer, NIOSH – National Institute of Occupational Safety and Health, NTP – National Toxicology Program, ACGIH – American Conference of Governmental Industrial Hygienists, SCAQMD – South Coast Air Quality Management District, TSCA – Toxic Substances Control Act, IATA – International Air Transport Association, IMO – International Maritime Organization, DOT – Department of Transportation, NA – Not applicable, NOT ESTAB – Not established, N.A.V. – Not Available, RQ – Reportable Quantity, WT – Weight, MG/CU M – Milligrams per cubic meter, G/L – Grams per liter, MM – Millimeters, MPPCF – Millions of particles per cubic foot, PPM – Parts per million, PPT – parts per thousand, TCC/PM – Tag closed cup / Pensky-Martens, PB – lead, PEL – Permissible exposure level, TWA – Time Weighted Average, STEL – Short term exposure limit, C – Celsius, F – Fahrenheit.

Disclaimer:

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Color Crown assumes no obligation or liability for use of this information. NOTICE; EPS/CCA MAKES NO WARRANTIES WITH RESPECT TO THIS PRODUCT, EXPRESS OR IMPLIED. EPS/CCA DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. EPS/CCA WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your

only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. This MSDS contains additional information required by the state of Pennsylvania.

Color Crown Corporation • 928 Sligh Ave. • Seffner, FL 33584 • (800) 282-1599 • www.stardek.com