

**69530-1030****MATERIAL SAFETY DATA SHEET**

**COMPANY NAME:** LOEW-CORNELL, INC.  
400 Sylvan Avenue, Englewood Cliffs, NJ 07632  
Phone: 201-836-7070 Fax: 201-836-8110  
E-mail: loew-cornell@loew-cornell.com  
www.loew-cornell.com

**PRODUCT NAME:** HB pencil **NUMBER:** CH-5

**CHEMICAL NAME:**

**CHEMICAL FAMILY:**

Base Ingredients: %

Paint	1
Wood	90
Lead	9

Base Ingredients of Lead: %

Clay	20
Graphite	80

**PHYSICAL DATA**

BOILING POINT: N/A

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): N/A

VAPOR DENSITY (air = 1): N/A

% VOLATILES BY VOLUME: N/A

APPEARANCE AND ODOR: Odorless

FREEZING POINT: N/A

VAPOR PRESSURE AT 20° C: N/A

SOLUBILITY IN WATER (% BY wt.):

EVAPORATION RATE (Butyl Acetate = 1): N/A

Item #CH-5 HB pencil

For more information, contact: (201) 836-7070

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**PRODUCT NAME:** Color Pencils **NUMBER:** CH-5

**CHEMICAL NAME:**

**CHEMICAL FAMILY:**

Base Ingredients: %

Acacia:	50
Pigment:	10
Cellulose Nitrate:	30
Wax:	5
Castor Oil:	2.5
Gum:	2.5

**PHYSICAL DATA**

BOILING POINT: N.D.

FREEZING POINT: N/A

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): N/A

VAPOR PRESSURE AT 20° C: N/A

VAPOR DENSITY (air = 1): N.D.

SOLUBILITY IN WATER (% BY wt.): Soluble

% VOLATILES BY VOLUME: N/A

EVAPORATION RATE (Butyl Acetate = 1): N/A

APPEARANCE AND ODOR: Odorless

Item CH-5 color pencils

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**HAZARDOUS INGREDIENTS**

N/A

**FIRE & EXPLOSION HAZARD DATA**

FLASH POINT (TEST METHOD): N.D. AUTO IGNITION TEMPERATURE: N/A  
FLAMMABLE LIMITS IN AIR, % BY VOLUME: LOWER: N/A UPPER: N/A  
EXTINGUISHING MEDIA: N/A  
SPECIAL FIRE FIGHTING PROCEDURES: None  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

**HEALTH HAZARD DATA - Emergency and First Aid Procedures**

EYE: Immediately flush with water and see a physician.

SKIN: Wash with soap and water

INHALATION: N/A

INGESTION: See a physician

**PRECAUTIONS FOR SAFE HANDLING AND USE**

Spills: N/A

Waste Disposal: Should be in accordance with existing federal, state & local environmental regulations.

**SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: Not required

VENTILATION: Not required

PROTECTIVE GLOVES: Not required

EYE PROTECTION: Not required

OTHER PROTECTIVE GEAR: Not required

**SPECIAL PRECAUTIONS**

PRECAUTIONARY LABELING: Not required

Loew-Cornell® (CH-5 color pencils)  
conform to ASTM D-4236

Item CH-5 color pencils

For more information, contact: (201) 836-7070

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2/06

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**PRODUCT NAME:** Cartooning pen **NUMBER:** CH-5

**CHEMICAL NAME:**

**CHEMICAL FAMILY:**

Base Ingredients: %

ABS:	60
Carbon Black:	4
Ethyl Alcohol:	33
PVB:	3

Pigments (shown as follows):

Black

**PHYSICAL DATA**

BOILING POINT: 90°C	FREEZING POINT: -110°C
SPECIFIC GRAVITY (H <sub>2</sub> O = 1): 0.8	VAPOR PRESSURE AT 20° C: N/A
VAPOR DENSITY (air = 1): 1.25	SOLUBILITY IN WATER (% BY wt.): yes
% VOLATILES BY VOLUME: N/A	EVAPORATION RATE (Butyl Acetate = 1): 1:1
APPEARANCE AND ODOR: Liquid in plastic cylinder	

Item #CH-5 cartooning pen For more information, contact: (201) 836-7070

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**HAZARDOUS INGREDIENTS**

N/A

**FIRE & EXPLOSION HAZARD DATA**

FLASH POINT (TEST METHOD): 200°C                      AUTO IGNITION TEMPERATURE: N/A  
FLAMMABLE LIMITS IN AIR, % BY VOLUME: LOWER: N/A    UPPER: N/A  
EXTINGUISHING MEDIA: None  
SPECIAL FIRE FIGHTING PROCEDURES: None  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

**HEALTH HAZARD DATA - Emergency and First Aid Procedures**

EYE: Immediately flush with water and see a physician.

SKIN: Wash with soap and water

INHALATION: Remove to fresh air. Seek medical attention as needed.

INGESTION: Induce vomiting. Drink large volume of water. Seek medical attention as needed.

**PRECAUTIONS FOR SAFE HANDLING AND USE**

Spills: N/A

Waste Disposal: Should be in accordance with local, state, and federal regulations

**SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: Not required

VENTILATION: Not required

PROTECTIVE GLOVES: Not required

EYE PROTECTION: Not required

OTHER PROTECTIVE GEAR: Not required

**SPECIAL PRECAUTIONS**

PRECAUTIONARY LABELING: None

Loew-Cornell® (CH-5 cartooning pen)  
Conforms to ASTM D-4236

Item #CH-5 cartooning pen

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