

69530-1020**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-4

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 (H₂O = 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-4 HB pencil

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

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PRODUCT NAME: Mini Color Pencils **NUMBER:** CH-4

CHEMICAL NAME:

CHEMICAL FAMILY:

Base Ingredients: %

Acacia:	50
Pigment:	8.5 - 15
Cellulose Nitrate:	28 - 33.5
Wax:	2 - 3.6
Castor Oil:	2 - 3
Gum:	2 - 3

PHYSICAL DATA

BOILING POINT: N.D.	FREEZING POINT: N/A
SPECIFIC GRAVITY (H ₂ 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-4 mini color pencils For more information, contact: (201) 836-7070 Page 1 of 2

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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-4 mini color pencils)
conform to ASTM D-4236**

Item CH-4 mini color pencils

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2/06

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Phone: 201-836-7070 Fax: 201-836-8110
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PRODUCT NAME: Cartooning pen **NUMBER:** CH-4

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 ₂ 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-4 cartooning pen For more information, contact: (201) 836-7070 Page 1 of 2

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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

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Item #CH-4 cartooning pen

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