

**ROYSTON® DIVISION OF CHASE CORPORATION
MATERIAL SAFETY DATA SHEET**

Product: Royston Handy Cap IP™, Royston Handy Cap XLIP™

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY: ROYSTON DIVISION OF CHASE CORP.
128 FIRST STREET
PITTSBURGH, PA 15238

GENERAL INFORMATION: (412) 828-1500

EMERGENCY, CHEMTREC: 800-424-9300. Only in the event of chemical emergencies involving a spill, leak, fire, exposure or any accident involving chemicals. Outside USA: (703) 527-3887

REVISION DATE: February 11, 2008
PREPARED BY: Frederick F. Fischer, Jr.

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NUMBER	IDENTIFICATION	APP. % BY WGT.
1333-86-4	Carbon Black	5

3. HAZARDOUS IDENTIFICATION

HAZARDOUS POLYMERIZATION: Will Not Occur
ROUTES OF EXPOSURE: Inhalation, Skin, Eyes and Ingestion.

IMMEDIATE EFFECTS:

INHALATION: Due to the nature of the product, there is no inhalation hazard. Heated vapors may cause irritation of nasal passages and throat.
SKIN CONTACT: Normally not irritating. If rash develops or irritation persists, seek physician.
EYE CONTACT: If eye contact is made and irritation develops, contact physician.
INGESTION: Due to nature of product ingestion is not likely. If ingested, see physician.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

ACUTE: Inhalation - exposure during hot process may cause respiratory. Eye or nose irritation.
CHRONIC: Inhalation - Long term exposure to concentrated hot processing fumes may reduce lung function and cause chronic bronchitis

4. FIRST AID MEASURES

GENERAL ADVICE:
INHALATION: Due to the nature of the product, there is no inhalation hazard. Heated vapors may cause irritation of nasal passages and throat. If a person breathes large amounts of heated product vapors, move the exposed person to fresh air at once. If breathing difficult, **GET MEDICAL ATTENTION.**
SKIN CONTACT: Normally not irritating. If rash develops or irritation persists, seek physician.
EYE CONTACT: Remove contact lenses. Flush eyes with large amounts of water, preferably lukewarm water, for at least 15 minutes. If irritation persists, **GET MEDICAL ATTENTION.**
INGESTION: Due to nature of product ingestion is not likely. If ingested, see physician.

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DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide and Oxides of Nitrogen.
EYES: Remove contact lenses. Flush eyes with large amounts of water, preferably lukewarm water, for at least 15 minutes. If irritation persists, **GET MEDICAL ATTENTION.**
SKIN: If solid product gets on the skin, wash the contaminated skin with soap and water. If irritation develops or persists after the area has been washed.
INHALATION: If a person breathes large amounts of heated product vapors, move the exposed person to fresh air at once. If breathing difficult, **GET MEDICAL ATTENTION.**
CONSUMPTION: If swallowed, call physician immediately. Only induce vomiting at the instructions of a physician. **DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.**

11. TOXICOLOGICAL INFORMATION

CAS NUMBER	IDENTIFICATION	DERMAL LD50	INHALATION LC50	ORAL LD50
1333-86-4	Carbon Black	N/E	27,000 mg/M ³ Rat Inhalation	> 8,000 mg/Kg Rat Ingestion

CAS NUMBER	IDENTIFICATION	CARCINOGENICITY		TERATOGENICITY	MUTAGENICITY
		ACGIH	IARC		
1333-86-4	Carbon Black	Yes	Yes 2B	Yes	N/E

12. ECOLOGICAL INFORMATION

VOLATILE ORGANIC COMPOUNDS: 0 Grams Per Liter (g/l). 0 Pounds Per Gallon (lb/g).

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be made in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

SHIPPING CLASS: Not Regulated

15. REGULATORY INFORMATION

SARA SECTION 302:
SARA (311,312) HAZARD CLASS:
SARA (313) CHEMICALS: NONE
CERCLA: N/A
CPSC CLASSIFICATION:
HMIS: FLAMMABILITY: 0 REACTIVITY: 0 HEALTH: 1
NFPA: FLAMMABILITY: 0 REACTIVITY: 0 HEALTH: 1

CALIFORNIA PROPOSITION 65:

- A. This product contains a chemical known to the State of CA to cause birth defects or other reproductive harm.
 B. This product contains a chemical known to the State of CA to cause cancer.
 C. This product contains a chemical known to the State of CA to cause cancer and birth defects or other reproductive harm.

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5. FIRE FIGHTING MEASURES
SUITABLE EXTINGUISHING MEDIA: Foam, Carbon Dioxide or dry chemical. If entering a confined area, use self-contained breathing apparatus if applicable
EXPLOSION DATA:
SENSITIVITY TO MECHANICAL IMPACT: Stable.
SENSITIVITY TO STATIC DISCHARGE: Stable.

6. ACCIDENTAL RELEASE MEASURES
PRECAUTIONS FOR PERSONNEL: No special clothes are required, but do wear gloves.
ENVIRONMENTAL PRECAUTIONS: No special procedures normally needed.
PROCESS FOR CLEANING: Absorb with inert material. Remove sources of ignition. Scoop material with non-sparking tools.

7. HANDLING AND STORAGE
HANDLING: Avoid direct contact with product. No special ventilation required.
STORAGE: Store away from ignition sources and open flames.

8. EXPOSURE RESTRICTIONS AND PERSONAL PROTECTION

MATERIALS WITH LIMITS THAT REQUIRE SUPERVISION:

CAS NUMBER	IDENTIFICATION	APP. % BY WGT.	NIOSH REL	VALUE	UNIT
1333-86-4	Carbon Black	< 5	TWA	50	ppm

ADDITIONAL ADVICE: No special clothes are required, but do wear gloves.

9. PHYSICAL PROPERTIES

ODOR: AROMATIC
CHANGE OF STATE: N/A
FREEZING POINT: N/A
BOILING POINT: N/A
FLASH POINT: N/A
IGNITION TEMPERATURE: N/A
SPECIFIC GRAVITY: 1.4
% VOLATILE BY VOLUME: Nil
SOLUBILITY IN WATER: Insoluble
PH VALUE: N/A
VISCOSITY: N/A
FLAMMABLE LIMITS: LEL N/A UEL N/A
EVAPORATION RATE: N/A
UNIT: °C, °C (°F), H₂O = 1, %
METHOD: TCC, CPS, BUAC = 1

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Open Flame.
MATERIALS TO AVOID: None known
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16. OTHER INFORMATION
THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND ARE NOT A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED IS MADE. THE STATED RECOMMENDED HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE.

C = Ceiling Limit, NEGL = Negligible, N/A = Not Applicable, N/E = Not Established, PROP. = Proprietary.

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