

SDS- SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: BK2002-05
PRODUCT NAME: BLACK RoyalLine Elite HIGH PERFORMANCE SOVLENT BASED ZONE MARKING PAINT
PRODUCT USE: Liquid Paint
MANUFACTURER: CROWN USA, Incorporated
6867 Mountainbrook Drive
Columbus, GA 31904
(706) 553-9500

24 HR. EMERGENCY TELEPHONE NUMBER

CHEMTREC (US): 1 (800) 424-9300

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Flammable liquid and vapor.

CLASSIFICATION:

Flammable liquids - Category 2
Flammable liquids - Category 3
Eye irritation - Category 2A
Acute toxicity, Inhalation - Category 4
Skin irritation - Category 2
Acute toxicity, Dermal - Category 4
S.T.O.T. - single exposure - Category 3 (Central nervous system)
Carcinogenicity - Category 2B
Reproductive toxicity - Category 2
Aspiration hazard - Category 1
Carcinogenicity - Category 2
S.T.O.T. - repeated exposure - Category 2 (Auditory system, Eyes)
S.T.O.T. - single exposure - Category 3 (Respiratory system)
S.T.O.T. - repeated exposure - Category 2 (Oral)
Germ cell mutagenicity - Category 1B
Carcinogenicity - Category 1A
Reproductive toxicity - Category 1B

PICTOGRAMS:



SIGNAL WORD: DANGER

HAZARD STATEMENTS:

H421 - May form combustible dust concentrations in air.
H335 - May cause respiratory irritation.
H225 - Highly flammable liquid and vapor.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H312 - Harmful in contact with skin.
H361 - Suspected of damaging fertility or the unborn child.
H373 - May cause damage to organs through prolonged or repeated exposure.
H332 - Harmful if inhaled.
H315+H318 - Causes skin and serious eye irritation
H340 - May cause genetic defects.
H350 - May cause cancer.
H351 - Suspected of causing cancer.
H360 - May damage fertility or the unborn child.

SDS- SAFETY DATA SHEET

PRECAUTIONARY STATEMENTS:

- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 - Keep container tightly closed.
- P240 - Ground/bond container and receiving equipment.
- P241 - Use explosion-proof electrical / ventilating / lighting / equipment.
- P242 - Use only non-sparking tools.
- P243 - Take precautionary measures against static discharge.
- P260 - Do not breathe dust/fumes/gas/mist/vapors/spray.
- P264 - Wash thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.

POTENTIAL HEALTH EFFECTS:

- EYES:** Can cause severe eye irritation.
- SKIN:** Can cause skin irritation.
- INGESTION:** Harmful if swallowed. Irritating to mouth, throat and stomach.
- INHALATION:** Harmful if inhaled. May cause drowsiness and dizziness. Vapors may cause respiratory irritation. Aspiration hazard - can enter lungs and cause damage.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT % (MAX)</u>
ACETONE	67-64-1	22.00 – 27.00
XYLENE	1330-20-7	4.80 – 7.20
TOLUENE	108-88-3	3.80 – 5.60
CARBON BLACK	1333-86-4	1.40 – 2.10

4. FIRST AID MEASURES

- EYES:** Rinse thoroughly with plenty of water, also under the eyelids for at least 15 minutes. Seek medical attention if needed.
- SKIN:** Wash off with soap and water immediately. Remove all contaminated clothing. Seek medical attention if needed.
- INGESTION:** Call Poison Control Center immediately. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.
- INHALATION:** Move to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Seek medical attention if needed.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

- SYMPTOMS:** Eye and skin irritation. Drowsiness and dizziness.
- EFFECTS:** Pain or irritation, coughing, nausea or vomiting, headache, unconsciousness.
- NOTES TO PHYSICIAN:** Treat symptomatically. If large quantities have been ingested or inhaled, contact poison control center immediately.

SDS- SAFETY DATA SHEET

5. FIRE FIGHTING MEASURES

- PERSONAL PRECAUTIONS:** See Section 8
- EXTINGUISHING MEDIA:** Carbon Dioxide, dry chemical or foam
- FIRE FIGHTING PROCEDURES:** Isolate scene. Use appropriate extinguishing media. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with full face-piece operated in positive pressure mode.
- UNUSUAL FIRE HAZARD:** Vapors are heavier than air and may travel along the ground and be ignited by heat, open flame or other ignition sources. Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flames. Closed containers may explode when exposed to extreme heat. Thermal decomposition can lead to release of irritating gases and vapors.

6. ACCIDENTAL RELEASE MEASURES

- SPILL:** Evacuate all nonessential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate personal protective equipment. Dike around spilled material. Cover spill with inert absorbent material. Use non-sparking tools.
- PERSONAL PRECAUTIONS:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate unnecessary personnel to safe areas. Beware of vapors, accumulating to form explosive concentrations.
- METHOD OF CLEAN UP:** Contain spillage. Absorb with inert dry material and place in appropriate waste disposal container. Dispose of in accordance with all local, State or Federal regulations.

7. HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING:** Do not store or use near sources of high temperature, near fire or open flame, or other ignition sources. All equipment should be grounded and bonded to reduce static electricity hazard. Use non sparking tools.
- CONDITIONS FOR SAFE STORAGE:** Keep container tightly closed in a dry, cool and well-ventilated area, away from sources of heat, fire or sparks. Do not store in unlabeled containers. Keep separate from oxidizing materials.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>OEL</u>
ACETONE	67-64-1	OSHA PEL: 1000 ppm, ACGIH TWA: 500 ppm
XYLENE	1330-20-7	OSHA PEL AND ACGIH TLV: 100 FOR 8 HR TWA
TOLUENE	108-88-3	OSHA TWA: 100 ppm, ACGIH TWA: 20 ppm
CARBON BLACK	1333-86-4	OSHA PEL 3.5mg/m3 TWA

NL = Not Listed

- ENGINEERING CONTROLS:** Use only with proper ventilation. Use explosion-proof ventilation equipment if necessary.
- PERSONAL PROTECTIVE EQUIPMENT**
- EYES AND FACE:** Safety glasses with side shields or chemical splash goggles.
- SKIN:** Chemical resistant impervious gloves.
- RESPIRATORY:** In case of insufficient ventilation wear suitable respiratory equipment.
- WORK HYGIENIC PRACTICES:** Handle in accordance with good industrial hygiene and safety practice(s). Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.
- OTHER PRECAUTIONS:** Wear impervious clothing and appropriate footwear.

SDS- SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR & PHYSICAL STATE:	Black liquid	SPECIFIC GRAVITY:	1.2304
ODOR:	Characteristic of acetone	VAPOR DENSITY:	Heavier than air
ODOR THRESHOLD:	No information available	VAPOR PRESSURE:	No information available
BOILING POINT:	133° F	SOLUBILITY IN WATER:	Not applicable
MELTING POINT:	No information available	PARTITION COEFFICIENT:	No information available
FREEZING POINT:	Not applicable	AUTO IGNITION TEMPERATURE:	No information available
EVAPORATION RATE:	No information available	DECOMPOSITION TEMPERATURE:	No information available
FLAMMABILITY (solid,gas):	Not applicable	FLAMMABILITY LIMITS:	1% TO 13%
VISCOSITY:	70 - 85 KU	FLASH POINT & METHOD:	-4 deg F deg F TCC
pH:	Not applicable		

10. STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
POSSIBILITY OF REACTION:	Under normal conditions of storage and use, hazardous reactions will not occur. Vapors may form an explosive mixture with air.
CONDITIONS TO AVOID:	Heat, flames and sparks. Extremes in temperature and direct sunlight.
INCOMPATIBLE MATERIALS:	Avoid contact with strong oxidizing agents, heat and open flames.
DECOMPOSITION PRODUCTS:	May form toxic materials, carbon dioxide, carbon monoxide, etc.

11. TOXICOLOGICAL INFORMATION

ACUTE SIGNS AND SYMPTOMS OF OVEREXPOSURE:

EYE:	Causes serious eye irritation.
SKIN:	Prolonged or repeated skin contact may cause irritation. Allergic reactions are possible.
INHILATION:	Harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. May cause headaches and dizziness. High vapor concentrations are irritating to the eyes, nose, throat and lungs. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Prolonged or excessive inhalation may cause respiratory tract irritation.
INGESTION:	Harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.
CHRONIC EFFECTS:	Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

TOXICOLOGICAL INFORMATION

ACETONE (67-64-1)

Acute oral toxicity	LD50 (rat): 5,800 mg/kg
Acute inhalation toxicity	LC50 (rat): 76.0 mg/l. Exposure time: 4 h
Acute dermal toxicity	LD50: > 7,426 mg/kg

CARBON BLACK (1333-86-4)

Acute oral toxicity	LD50 Rat: >8000 mg/kg
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available

TOLUENE (108-88-3)

Acute oral toxicity	LD50 (rat, male): > 5,580 mg/kg
Acute inhalation toxicity	LC50 (rat, male and female): 28.1 mg/l. Exposure time: 4 h
Acute dermal toxicity	LD50 (rabbit): > 5,000 mg/kg

XYLENE (1330-20-7)

Acute oral toxicity	LD50 (rat, male): 3,523 mg/kg.
---------------------	--------------------------------

SDS- SAFETY DATA SHEET

Acute inhalation toxicity
Acute dermal toxicity

LC50 (rat, male): 6700 ppm. Exposure time: 4 h
LD50 (rabbit): 1,700 mg/kg.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Prevent entry into waterways, sewers or confined areas. Do not allow material or used container to contaminate ground water system.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all local, State and Federal regulations.

CONTAINER: Empty containers may contain product residue and should not be reused. Vapors from residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers.

14. TRANSPORT INFORMATION

SPECIAL TRANSPORT PRECAUTIONS: None known

UN NUMBER: UN1263

UN PROPER SHIPPING NAME: PAINT

DOT HAZARD CLASS: 3

PACKING GROUP: II

ERG #: #128

MARINE POLLUTANT: No

15. REGULATORY INFORMATION

TSCA CERTIFICATION: All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SARA 311/312 HAZARD CATEGORIES:

ACUTE HEALTH: Yes

CHRONIC HEALTH: Yes

FIRE: Yes

PRESSURE GENERATING: No

REACTIVE: No

SARA 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

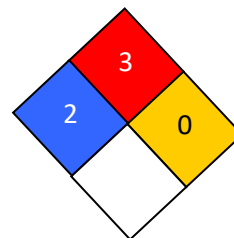
CHEMICAL NAME	CAS NUMBER
XYLENE	1330-20-7
TOLUENE	108-88-3
CARBON BLACK	1333-86-4

16. OTHER INFORMATION

REVISION DATE: 09/20/2023

HMIS RATING	
Health :	2
Flammability :	3
Reactivity :	0
Personal Protection :	X

NFPA CODES



MANUFACTURER DISCLAIMER: All information and data appearing on this Safety Data Sheet are believed to be reliable and accurate to the best of our knowledge at the date of publication. None of the provided information is to be considered a warranty or quality specification or all-inclusive and is given only as guidance. It is the user's responsibility to determine the safety of use, handling, storage, transportation, disposal and suitability for the intended utilization of the product. Unless otherwise specified, the data provided herein is valid only for the described material and may be not applicable for the product used in combination with any other materials or processes. CROWN USA, Inc. shall not be liable for any damage resulting from handling, contact, use or inability to use of this product. No guarantee, expressed or implied, is made by CROWN USA, Inc. and the user assumes all risk and responsibility.