

Canadian Crown Dealers Inc.  
35 Magnum Dr.  
Schomberg, Ontario, L0G - 1T0  
Canada  
905-939-8750 / 1-800-267-5744

**J & B PART NUMBER**  
**V9146**

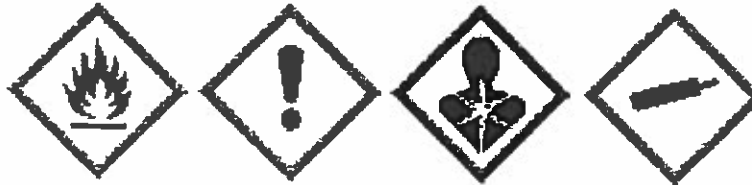
PRODUCT: Crown KP53 Penetrant - 400g

CODE: KR-002010

### Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Item Numbers..... KR-002010  
Product Identity..... Crown KP53 Penetrant - 400g  
Manufacturer..... Empack Spraytech Inc.  
98 Walker Drive  
Brampton  
Ontario  
Canada  
L6T 4H6  
905-792-6571  
24 hour emergency telephone number..... CANUTEC: (613)-996-6666 collect.  
Recommended Use..... Lubricant, Penetrant, Rust Inhibitor.  
Chemical Family..... Mixture.

### Section 02: HAZARDS IDENTIFICATION



Hazard Classification:  
Physical Hazards..... Flammable Aerosols - Category 1 . Gases Under Pressure - Compressed gas .  
Health Hazards..... Skin Irritation - Category 2. Carcinogenicity - Category 2. Eye Irritation - Category 2A. Toxic to Reproduction - Category 2. Aspiration Hazard - Category 2. Acute Toxicity Inhalation - Category 4.  
Environmental Hazards..... Not Classified.  
Label Elements:  
Signal Word..... DANGER.  
Hazard Statement..... Extremely flammable aerosol. Pressurized container: may burst if heated. Harmful if inhaled. Causes skin irritation. Suspected of causing cancer. Causes serious eye irritation . Suspected of damaging fertility or the unborn child.  
Precautionary Statements:  
Prevention..... Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source . Do not pierce or burn, even after use. Wash thoroughly after handling .  
Response..... IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER if you feel unwell. IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical attention. If exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER. Do NOT induce vomiting.  
Storage..... Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F . Store in a well-ventilated place. Store locked up .  
Disposal..... Dispose of contents/ container in accordance with local/regional/national/international regulations.  
Hazard(s) not otherwise classified (HNOC)

### Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
Xylene	1330-20-7	15-40
Isobutane	75-28-5	10-30
Ethylbenzene	100-41-4	7-13
Propane	74-98-6	7-13
Dipropylene Glycol Monomethyl Ether	34590-94-8	1-5

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**Section 04: FIRST AID MEASURES**

Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance.
Skin Contact.....	Immediately flush the contaminated skin with soap and water. If this chemical penetrates clothing, immediately remove the clothing and flush the skin with water. If irritation persists after washing, get medical attention.
Eye Contact.....	Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.
Ingestion.....	Rinse mouth thoroughly with water. Drink 1-2 glasses of water. If symptoms occur, consult a physician. Do not induce vomiting.
Most important symptoms/effects, acute and delayed	Immediate medical attention is required.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**Section 05: FIRE FIGHTING MEASURES**

Suitable Extinguishing Media.....	Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
Unsuitable Extinguishing Media.....	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from the Chemical.	In case of fire, the following can be released: Carbon Oxides (CO, CO2), Other unidentified Organic Compounds.
Special Protective Equipment and Precautions for Firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove undamaged containers from immediate hazard area if it is safe to do.
General Fire Hazards.....	Flammable.

**Section 06: ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective Equipment and Emergency Procedures	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 08).
Methods and Materials for Containment and Cleaning Up	Wash with plenty of water.
Environmental Precautions.....	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**Section 07: HANDLING AND STORAGE**

Precautions for Safe Handling.....	Avoid breathing vapours or mists. Never pierce, drill, grind, cut, saw or weld any empty container. Do not eat or drink while working. See Section 08 for Protective Personal Equipments.
Conditions for Safe Storage including any Incompatibilities	Keep container tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, and flame. Do not store in direct sunlight.

**Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Xylene	100 ppm	150 ppm	100 ppm (435 mg/m3)	150 ppm (655 mg/m3)		Not established
Isobutane	800 ppm	1000 ppm	800ppm	Not available		800 ppm (TWA)
Ethylbenzene	100 ppm	125 ppm	100 ppm (435 mg/m3)	125 ppm (545 mg/m3)		100 ppm (435 mg/m3)
Propane	2,500 ppm	Not available	1,000 ppm	Not available		1,000 ppm
Dipropylene Glycol Monomethyl Ether	100 ppm	150 ppm	100 ppm (600 mg/m3)	150 ppm (900 mg/m3)		100 ppm (600 mg/m3)
	100 ppm					
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved. Ensure that eyewash stations and safety showers are available.					
Individual Protection Measures:						
Eye/Face Protection.....	Chemical splash goggles are recommended.					
Skin Protection.....	Use appropriate protective clothing to avoid skin contact if required.					
Respiratory Protection						
Thermal Hazards.....	None Known.					

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## Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

General Hygiene Considerations..... When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## Section 09: PHYSICAL AND CHEMICAL PROPERTIES

Form..... Aerosol.  
 Physical Appearance..... Dark Blue.  
 Odor..... Aromatic.  
 Odor Threshold (ppm)..... N/A.  
 Specific Gravity..... 0.910-0.970.  
 Vapour Density (Air=1)..... N/A.  
 pH..... N/A.  
 Boiling Point liquid (°C)..... 137°C (279°F).  
 Melting/Freezing Point (°C)..... N/A.  
 Flash Point (°C), Method..... 28°C (82°F).  
 Flashback..... N/A.  
 Evaporation Rate (n-Butyl Acetate = 1)..... N/A.  
 VOC Content..... N/A.  
 Solubility in water..... N/A.  
 Auto Ignition Temperature (°C)..... N/A.  
 Lower Flammable Limit (% Vol)..... N/A.  
 Upper Flammable Limit (% Vol)..... N/A.  
 Coefficient of Water/Oil Distribution..... N/A.  
 Viscosity..... N/A.

## Section 10: STABILITY AND REACTIVITY

Reactivity..... No hazardous reactions.  
 Chemical Stability..... Stable under the recommended storage and handling conditions.  
 Possibility of Hazardous Reactions..... It may catch fire on contact with oxidizing mineral acids.  
 Conditions to Avoid..... Heat, flames, sparks.  
 Incompatible Materials..... None known.  
 Hazardous Decomposition Products..... In combustion emits toxic fumes.

## Section 11: TOXICOLOGICAL INFORMATION

Ingredients	LC50	LD50
Xylene	5000 ppm (4 hrs)	4300 mg/kg
Isobutane	658 mg/L (4hrs,rat)	Not available
Ethylbenzene	4000 ppm (4hr)	3500 mg/kg (Rat,oral); 17800 mg/kg (Rabbit,dermal)
Propane	>800,000 ppm (15 min,Rat)	Not available
Dipropylene Glycol Monomethyl Ether	No data	5350 mg/kg Rat oral; 9500 mg/kg Rabbit dermal
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation.....	Yes.	
Routes of entry - Skin & Eye.....	Yes.	
Routes of entry - Ingestion.....	No.	
Routes of entry - Skin Absorption.....	No.	
Symptoms Related to the Physical, Chemical and Toxicological Characteristics		
Acute Toxicity.....	Irritating to the eyes.	
Skin Corrosion/Irritation.....	Causes skin irritation.	
Serious Eye Damage/Eye Irritation.....	Causes serious eye irritation.	
Respiratory or Skin Sensitization.....	Not expected to be a skin or respiratory sensitizers.	
Germ Cell Mutagenicity.....	No data available to indicate product or any components present at greater than 0.1% are mutagenic.	
Carcinogenicity.....	Ethylbenzene (CAS#: 100-41-4): IARC: Group 2B (Possibly Carcinogenic to Humans); ACGIH: Group A3 (Confirmed Animal carcinogen with unknown relevance to humans). Xylene (CAS#: 1330-20-7): ACGIH A4 Not Classified as a human carcinogen; IARC 3 Not classifiable as to carcinogenicity to humans.	
Reproductive Toxicity.....	Based on available data, the classification criteria are not met.	
Specific Target Organ Toxicity - Single Exposure.....	Specific target organ toxicity single exposure Category 3. May cause drowsiness and dizziness.	
Specific Target Organ Toxicity - Repeated Exposure.....	May cause damage to the liver and kidneys through prolonged or repeated exposure.	
Aspiration Hazard.....	Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.	

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**Section 11: TOXICOLOGICAL INFORMATION**

Chronic Effects..... Chronic skin contact with low concentrations may cause dermatitis. Prolonged or repeated overexposure may cause liver and kidney effects.

**Section 12: ECOLOGICAL INFORMATION**

Ecotoxicity..... Ethylbenzene (CAS#:100-41-4): Toxicity to fish: LC50 4.3mg/L,96hr; Toxicity to aquatic invertebrates: LC50 2.6mg/L,96hr; Toxicity to algae: EC5.0mg/L,96hr. May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment. This product contains the following substance which may also be hazardous for the environment: Xylene (CAS#:1330-20-7): Toxicity to fish: 780.0 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: EC50 0.8 mg/L, 48 hrs; Toxicity to algae: EC50 10.0mg/L.

Persistence and degradability ..... The product itself has not been tested.

Bioaccumulation Potential..... The product itself has not been tested.

Mobility in Soil..... The product itself has not been tested.

Other Adverse Effects..... None Known.

**Section 13: DISPOSAL CONSIDERATIONS**

Appropriate Disposal Methods..... This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, provincial and federal regulations.

**Section 14: TRANSPORT INFORMATION**

TDG (Canada- Road)..... AEROSOLS, Class 2.1, UN1950.

DOT (US-Road)..... AEROSOLS, Class 2.1, UN1950, LTD. QTY. OR ORM-D.

IMDG (International- Marine)..... AEROSOLS, Class 2.1, UN1950.

IATA (International- Air)..... AEROSOLS, Class 2.1, UN1950, LTD QTY.

**Section 15: REGULATORY INFORMATION**

Canada Regulations..... WHMIS Classification. A: Compressed gas. B5 Flammable Aerosol. D2A: Material causing very toxic effect. D2B: Material causing other toxic Materials.

Canadian Environmental Protection Act (CEPA) ..... All ingredients listed appear on the Domestic Substances List (DSL).

US Regulations..... Environmental Protection Act: Constituents of this product are included on the TSCA inventory. This product is considered hazardous under the OSHA Hazard Communication Standard.

**Section 16: OTHER INFORMATION**

Disclaimer..... The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR. THIS SDS IS VALID FOR THREE YEARS.

Abbreviations..... ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health; OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System.

Prepared by ..... Regulatory Affairs

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