



Material Safety Data Sheet

Black Bull Cure & Seal

MSDS No. 1A

Date of Preparation: 08/00

Revision: July 2005

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Black Bull Cure & Seal

Chemical Formula: Concrete Sealer

CAS Number:

Other Designations: None

General Use: Sealing and protecting concrete and aggregate surfaces.

Manufacturer: Perk Products & Chemical Co., Inc. P.O. Box 100585 Nashville, TN 37224

Phone: 615-242-6157 Fax: 615-242-1267

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PPE†

†Sec. 8

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Aromatic Naphtha, light	64742-95-6	70.0
Cumene	98-82-8	1.0
Xylene	1330-20-7	2.0
Trimthylbenzene	95-63-6	27.0
Other non-hazardous ingredients: Proprietary Resin – trade secret		

Trace Impurities: N/A

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Aromatic Naphtha, light	100 ppm	none estab.	50 ppm	none estab.	none estab.	none estab.	none estab.
Cumene	50 ppm	50 ppm	none estab.	none estab.	none estab.	none estab.	none estab.
Xylene	100 ppm	150 ppm	100 ppm	none estab.	none estab.	none estab.	none estab.

Toxicity Data:

Section 3 - Physical and Chemical Properties

Physical State: Stable

Appearance and Odor: Clear/Brown/Gray liquid w/ pungent solvent odor

Odor Threshold: Petroleum odor

Vapor Pressure: mm Hg at 68 °F

Vapor Density (Air=1): 5.1

Formula Weight: 7.98 lbs/gal

Density:

Specific Gravity (H₂O=1, at 4 °C): .92

pH: N.AV

Water Solubility: none

Other Solubilities: Other petroleum distillates

Boiling Point: 315 °F

Freezing/Melting Point: N/A

Viscosity:

Refractive Index: N/A

Surface Tension:

% Volatile:

Evaporation Rate: 1

Section 4 - Fire-Fighting Measures

Flash Point: 105 °F

Flash Point Method: CC

Burning Rate:

Autoignition Temperature: ?? °F (?? °C)

LEL: 1.00% v/v

UEL: 6.00% v/v

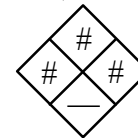
Flammability Classification: 0

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog

Unusual Fire or Explosion Hazards: N/A

Hazardous Combustion Products: N/A

NFPA



Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

Section 5 - Stability and Reactivity

Stability: Black Bull is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: N/A

Conditions to Avoid: Avoid contact with bases.

Hazardous Decomposition Products: Thermal oxidative decomposition of Black Bull can produce nitrogen oxides/carbon dioxide/carbon monoxide.

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes: Mouth, Skin, Eyes

Target Organs: Immediate Effects (Acute)

Acute Effects

Inhalation: of vapors can cause effects to the brain, nervous system, or respiratory system. Causing dizziness, headache, nausea, or respiratory irritation.

Eye: potential loss of sight may occur from direct eye contact.

Skin: can cause severe burns.

Ingestion: Possibly fatal if swallowed.

Carcinogenicity: IARC, NTP, and OSHA do not list as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: Any respiratory or skin exposure.

Chronic Effects: Intentional misuse by deliberately concentrating and inhaling the contents of this product may be harmful or fatal.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air.

Eye Contact: Flush eyes with water for at least 15 minutes. Get immediate medical attention! If a physician is not available, apply two (2) drops of 0.05% Pontocaine Hydrochloride in affected eye and flush a second time with clean running water. Then, get medical attention.

Skin Contact: Flush exposed area with water for at least 15 minutes.

Ingestion: Do not induce vomiting. Get medical attention immediately.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians:

Special Precautions/Procedures:

Section 7 - Spill, Leak, and Disposal Procedures

Spill /Leak Procedures:

Small Spills:

Large Spills

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup:

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements:

Container Cleaning and Disposal:

Ecological Information:

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261.??): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ), ?? lb (?? kg)

SARA 311/312 Codes:

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed
 OSHA Specifically Regulated Substance (29CFR 1910.????)

State Regulations:

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Special Precautions and Comments

Handling Precautions:**Storage Requirements:**

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Black Bull Cure & Seal

Shipping Symbols:

Hazard Class: UN 1263

ID No.: CP-1520

Packing Group: 3

Label: Combustible

Special Provisions (172.102):

Packaging Authorizations

a) **Exceptions:** UN Pack

b) **Non-bulk Packaging:**

c) **Bulk Packaging:**

Quantity Limitations

a) **Passenger, Aircraft, or Railcar:**

b) **Cargo Aircraft Only:**

Vessel Stowage Requirements

a) **Vessel Stowage:**

b) **Other:**

Prepared By: Scott Perkerson

Revision Notes:

Disclaimer: IMPORTANT! Read this MSDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The MSDS information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, **Perk Products & Chemical Co. Inc.** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Also, additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks prior to use, and then to exercise appropriate precautions for protection of employees and others.