

MATERIAL SAFETY DATA SHEET

POR-15, INC. PO BOX 1235, MORRISTOWN, NJ 07962-1235

Emergency Telephone Numbers: 973-887-1999, 1-800-457-6715, CHEMTREC 1-800-424-9300

PRODUCT NAME: **BLACKCOTE** BCO
CHEMICAL NAME: Modified Urethane Resin mixture
CHEMICAL FAMILY: Urethane

FORMULA: Mixture /composite blend
T.S.C.A. STATUS: N/A
TRADE NAMES/SYNONYMS: POR-15 BlackCote

II. HAZARDOUS INGREDIENTS

Aliphatic Hydrocarbon (64741-88-7)
Naphtha Petroleum (68333-23-3)a
Carbon Black (1333-86-4)
Contents partially unknown

Current TLV:
ACGIH: 100 ppm TWA
Ceiling value OSHA PEL: 500

III. PHYSICAL DATA

BOILING POINT: 350 - 385 °F / 177 - 196°C
VAPOR DENSITY: Heavier than air
REACTIVITY IN WATER: None
SOLUBILITY IN WATER: Negligible
ODOR: Light Aromatic
VISCOSITY: Range @ 77 °F/25°C: 250-500 CPS

SPECIFIC GRAVITY: (Water =1) 1.32
% VOLATILE BY VOLUME: 21%
EVAPORATION RATE (Ether = 1): For solvent, 4.5
COLOR: Black
VOLATILE ORGANICS: 2.33 lbs/gal (270 grams/liter)

IV. FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method used): TCC 108 °F / 42.2°C

EXTINGUISHING MEDIA: Dry chemical (e.g. monoammonium phosphate, potassium sulfate, and potassium chloride, carbon dioxide, high expansion (protein) chemical foam, sand

SPECIAL FIRE FIGHTING PROCEDURES/USUAL FIRE OR EXPLOSION HAZARDS:

Self-contained breathing apparatus should be worn by firefighters.

HAZARD CLASS: B HEALTH: 3 FIRE: 2 REACTIVITY: 1 FLAMMABLE LIMITS LEL: 0.77 FLAMMABLE LIMITS UEL: 6 AUTOIGNITION: N/A
N TEMP: 475 °F / 246°C

V. HEALTH HAZARD DATA

STABILITY: Stable under normal conditions
CONDITIONS TO AVOID: Sparks, open flame, fire. MATERIALS TO AVOID: Oxidizing agents like bleach, hydrogen peroxide.

HUMAN EFFECTS & SYMPTOMS OF OVEREXPOSURE: EYES: May cause severe irritation. INHALATION: Excessive inhalation may cause irritation to nose, throat, lungs. SKIN: May cause irritation. INGESTION: May be harmful if swallowed; irritation of mouth, pharynx, esophagus and stomach may develop following ingestion.

Medical Conditions Generally Aggravated by Exposure: None Known

Carcinogens / Potential Carcinogens: None

National Toxicology Program: No

I.A.R.C. Monographs: No

OSHA: No

Emergency and First Aid Procedures: Splash (eyes): Flush immediately with copious quantities of running water for at least 15 minutes. Consult physician. Splash (skin): Wash affected areas with soap and water. Ingestion: Do not induce vomiting. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or poison control center. Never give anything by mouth to an unconscious person. Inhalation: Remove to fresh air.

VI. EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: Flush with clean, lukewarm water (low pressure) for at least 15 min., occasionally lifting eyelids; obtain medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.

VII. PROTECTION RECOMMENDATIONS

EYE PROTECTION: Safety glasses with side shields, splash goggles or face shield. Contact lenses should not be worn. SKIN PROTECTION: Chemical-resistant gloves. Cover as much of the exposed skin area as possible with appropriate clothing. If skin creams are used, keep the area covered a minimum. An air-supplied respirator is strongly recommended for spray application. Observe OSHA regulations for respirator use 29 CFR, 1910.134.

VIII. SPILL OR LEAK PROCEDURES

POLYMERIZATION: None under normal conditions.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep away from heat, sparks, open flame; use with adequate ventilation. Avoid prolonged or repeated contact.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Provide ventilation and respiratory protection if required.

WASTE DISPOSAL METHODS: Incinerate under safe conditions or dispose of in accordance with local, state, and federal regulations.

IX. SPECIAL PROTECTION AND STORAGE INFORMATION

RESPIRATORY PROTECTION: NIOSH/MSHA approved respirator. EYE PROTECTION: Safety goggles. VENTILATION: Use in well-ventilated areas only. Have adequate general exhaust. PROTECTIVE GLOVES: Solvent protective gloves. OTHER PROTECTIVE EQUIPMENT: Self-contained breathing apparatus if threshold limit is exceeded. SHELF LIFE: 6 months - 2 years (unopened can) @ 77°F (25°C) STORAGE PRECAUTIONS: Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected. Ideal storage temperature range for ease of handling is 50-80°F (10-27°C). Avoid contact with skin and eyes.

X. SPECIAL PRECAUTIONS & STORAGE DATA

SPECIAL SENSITIVITY (heat, light, moisture): If container of material is exposed to heat, container can pressurize and burst. If moisture enters container, pressure can build up due to reaction producing carbon dioxide, which can cause sealed container to pressurize and burst. Do not reseal if contamination is suspected.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in tightly closed container and protect from moisture and foreign materials. At maximum storage temperatures noted, material may slowly polymerize without hazard. Ideal storage temperature range is 50-81 degrees F (10-27 degrees C).

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