



**Bringing Integrity to the Surface.®**

HMIS HAZARD RATING	
<b>1</b>	<b>HEALTH</b>
<b>2</b>	<b>FIRE</b>
<b>0</b>	<b>REACTIVITY</b>

## MATERIAL SAFETY DATA SHEET

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### I. PRODUCT INFORMATION

TRADE NAME <b>ICB-14-xx</b>	C.A.S. NUMBER <b>Mixture</b>
SYNONYMS <b>Industrial Cutback Asphalt, Metal Coating</b>	PRODUCT CODE NUMBER

### II. PHYSICAL DATA

BOILING POINT @ 760 MM Hg <b>&gt; 300°F</b>	% VOLATILES BY VOLUME <b>30-55%</b>	SOLUBILITY IN H2O BY WEIGHT % <b>Negligible</b>
SPECIFIC GRAVITY <b>0.85-0.95 g/ml @ 60°F</b>	MELTING POINT <b>Not Applicable</b>	EVAPORATION RATE (BUTYL ACETATE = 1) <b>Faster</b>
VAPOR DENSITY (AIR = 1) <b>&lt; 1.0</b>	VAPOR PRESSURE <b>2 mmHg @ 70°F</b>	APPEARANCE AND ODOR <b>Brown to Black Oil</b>

### III. HAZARDOUS COMPONENTS

C.A.S. NUMBER	MATERIAL OR COMPONENT	%	HAZARD DATA
<b>8052-42-4</b>	<b>[1] Asphalt</b>	<b>45-70</b>	TLV/TWA - 5 mg/m <sup>3</sup> for asphalt TLV/STEL - 10mg/m <sup>3</sup> for asphalt
	<b>[2] Proprietary Solvent</b>	<b>30-55</b>	<b>TLV/TWA - 100ppm.</b>

#### IV. HEALTH HAZARD INFORMATION

<b>EXPOSURE LIMITS</b>	TLV (ceiling) <b>5 mg/m<sup>3</sup> for asphalt</b>	TLV/STEL <b>10 mg/m<sup>3</sup> for asphalt</b>	TLV/PEL <b>N/A</b>	ODOR THRESHOLD LIMIT <b>0.004 mg/m<sup>3</sup></b>
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#### ROUTES OF EXPOSURE AND EFFECTS AS REQUIRED BY 29CFR1910.1200

<b>INHALATION</b>	<b>Inhaling of mist or vapors can cause dizziness, headache, and nausea as well as irritation to the nose and throat. Inhalation of petroleum spirits vapors can cause moderate central nervous system depression, rapid breathing, low grade fever, and asphyxiation.</b>
<b>INGESTION</b>	<b>High viscosity oils have been shown to be less toxic when ingested than lower viscosity, higher volatility oils. However, the lethal dose of petroleum spirits is 4.89 g/kg body weight in rats.</b>
<b>SKIN ABSORPTION</b>	<b>This material is not known to be absorbed through the skin. However, skin contact can cause mild irritation and dermatitis. See SKIN CONTACT section below.</b>
<b>SKIN CONTACT</b>	<b>Repeated or prolonged skin contact can cause irritation or dermatitis. Skin-painting studies with petroleum distillates have shown weak carcinogenic activity in laboratory animals. Contact with heated material can cause serious burns. Good personal hygiene practices should be employed to minimize exposure risks.</b>
<b>EYE CONTACT</b>	<b>Petroleum distillates can cause severe irritation in contact with the eyes. Care should be taken to prevent eye exposure. Safety glasses, goggles and face shields are recommended when handling this material.</b>
<b>ACUTE OVEREXPOSURE</b>	<b>Skin effects may include irritation and itching. Acute inhalation of the product may cause dizziness, headaches, nausea and irritation of the eyes, nose and throat, and asphyxiation. Any pre-existing skin conditions may be aggravated by exposure to this product.</b>
<b>CHRONIC OVEREXPOSURE</b>	<b>Chronic health effects are not expected if proper personal safety and hygiene is observed. Pre-existing skin disorders may be aggravated by repeated or prolonged exposure to this product.</b>

#### V. EMERGENCY AND FIRST AID PROCEDURES

<b>INHALATION</b>	<b>If breathing is difficult, move person to fresh air and seek prompt medical attention.</b>
<b>INGESTION</b>	<b>DO NOT induce vomiting. Vomiting may cause aspiration of the product into the lungs, which can cause chemical pneumonia and death. Avoid all digestible oils, fats, and alcohol that may increase intestinal absorption.</b>
<b>SKIN CONTACT</b>	<b>If contact occurs when material is hot, flush area with water to cool. Wash affected area with waterless hand cleaner, followed by water and a mild detergent. DO NOT use solvents! For relief from irritation, apply hand lotion. If irritation persists, seek medical attention.</b>
<b>EYE CONTACT</b>	<b>Flush eyes with water for 15 minutes while holding eyelids open. If subject is wearing contact lenses, immediately seek an ophthalmologist for treatment.</b>

## VI. SPECIAL PROTECTION INFORMATION

VENTILATION	Normal exterior application should not require the need for mechanical ventilation. Application must be made downwind from operator.	PERSONAL PROTECTIVE EQUIPMENT
RESPIRATORY PROTECTION	If needed, use an approved OSHA/NIOSH organic vapor canister respirator, or a positive atmosphere supplied air respirator as described in 29CFR 1910.134.	ORGANIC VAPOR RESPIRATOR
EYE PROTECTION	Goggles and full-face shield are recommended when handling this material.	GOGGLES FULL-FACE SHIELD
SKIN PROTECTION	Flannel-lined, insulated neoprene or nitrile gloves are recommended.	CHEMICAL RESISTANT GLOVES
OTHER PPE	Rubber or leather footwear is recommended. All clothing saturated with this product should be discarded.	BOOTS

## VII. FIRE AND EXPLOSION DATA

FLASH POINT <b>100-200°F</b>	AUTOIGNITION TEMPERATURE <b>≈500°F</b>	LOWER FLAMMABLE LIMIT <b>1.0%</b>
EXTINGUISHING MEDIA <b>If fire should occur, extinguish with foam, carbon dioxide or dry chemical extinguishers.</b>		
SPECIAL FIRE FIGHTING PROCEDURES <b>DO NOT use water on an asphalt fire contained in a vessel as it may cause violent eruption of the liquid asphalt. Fire fighters should wear full protective equipment and self-contained breathing apparatus.</b>		
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>Water sprayed on burning product may cause frothing, steam, and eruptions.</b>		

## VIII. REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY	<b>Avoid sources of ignition. DO NOT introduce water to material if it is at or above 212°F.</b>
INCOMPATIBILITY	<b>This material is incompatible with strong oxidizers.</b>
HAZARDOUS DECOMPOSITION PRODUCTS	<b>Irritating or toxic vapors may be released when this material is burned. Possible thermal decomposition gases include hydrogen sulfide, carbon monoxide, carbon dioxide, and sulfur dioxide.</b>
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION	<b>None known.</b>

