

## 1. Product and Company Identification

**Material name** AC-30  
**Version #** 01  
**Revision date** 09-06-2011  
**CAS #** Not Applicable  
**Manufacturer:** Ergon Asphalt & Emulsions, Inc.  
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Jackson MS 39215-1639  
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## 2. Hazards Identification

**Emergency overview** May cause irritation of respiratory tract. Material may be hot.

**Potential health effects**

**Routes of exposure** Inhalation.

**Eyes** Severely irritating to eyes. A significant thermal hazard under normal usage due to high temperatures required for application.

**Skin** Moderately irritating. Hot asphalt will cause severe burns. May lead to photosensitization and drying of the skin.

**Inhalation** Vapors may irritate throat and respiratory system and cause coughing. Prolonged inhalation may be harmful. Prolonged exposure may result in dizziness or nausea

**Ingestion** Irritating to mucous membranes and gastrointestinal tract. May cause thermal burns.

**Potential environmental effects** Ecological injuries are not known or expected under normal use.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
ASPHALT	8052-42-4	< 100

## 4. First Aid Measures

### First aid procedures

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Skin contact** If molten asphalt strikes exposed skin, cool immediately by quenching with cold water. Lotion or hand cream may aid in the removal of asphalt. If clothing sticks to the skin, do not remove. Wash contact areas with soap and water. If needed, seek medical attention.

**Inhalation** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

**Ingestion** Rinse mouth. DO NOT induce vomiting. Get medical attention immediately. If ingestion of a large amount does occur, call a poison control center immediately.

## 5. Fire Fighting Measures

**Flammable properties** This product may ignite when sufficient heat is applied. Check for combustible vapors prior to and during welding or torch cutting on vessels or tank. It has been found that in hot storage tanks low flash substances may accumulate in the vapor space. Keep ignition sources away from tank vents and prevent accumulation or pyrophoric iron sulfide.

## Extinguishing media

**Suitable extinguishing media** Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

**Specific methods** In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

**Hazardous combustion products** Decomposition of this product may yield oxides of sulfur and nitrogen. Hydrogen sulfide Carbon monoxide and carbon dioxide.

## 6. Accidental Release Measures

**Personal precautions** Keep unnecessary personnel away. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Methods for containment** Ventilate area and avoid breathing vapors or mist. Prevent entry into waterways, sewer, basements or confined areas. Remove sources of ignition. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas. For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

**Methods for cleaning up** Dike far ahead of spill for later disposal. Allow spilled material to solidify and scrape up with shovels into a suitable container for recycle or disposal. Absorb spill with vermiculite or other inert material.

## 7. Handling and Storage

**Handling** Avoid contact with molten material. Trace amounts of hydrogen sulfide, a very highly toxic gas, may be present with this material. Keep face clear of tank and/or tank car openings. Do not add water to hot product. This may result in frothing of the mixture causing hot asphalt to overflow the container.

**Storage** Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a well-ventilated place.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### ACGIH

Components	Type	Value	Form
ASPHALT (8052-42-4)	TWA	0.5000 mg/m <sup>3</sup>	Inhalable fraction.

**Engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal protective equipment

**Eye / face protection** Chemical goggles and face shield are recommended.

**Skin protection** Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

**Respiratory protection** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**General hygiene considerations** 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.

## 9. Physical & Chemical Properties

**Appearance** Brown to black in color.

**Color** Black.

**Odor** Tar-like

**Odor threshold** Not available.

**Physical state** Liquid.

**Form** Semi-solid at ambient temperature

**pH** Not available.

<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	> 700 °F (> 371.1 °C)
<b>Flash point</b>	> 450 °F (> 232.2 °C)
<b>Evaporation rate</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	< 1 mm Hg at 70F
<b>Vapor density</b>	> 5
<b>Specific gravity</b>	0.98 - 1.04
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Insoluble
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	> 700 °F (> 371.1 °C)
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	Not available.

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable under normal temperature conditions.
<b>Conditions to avoid</b>	Do not overheat product.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield sulfur dioxide, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Hydrogen sulfide.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

<b>Chronic effects</b>	Prolonged inhalation may be harmful.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

### ACGIH Carcinogens

ASPHALT (CAS 8052-42-4) A4 Not classifiable as a human carcinogen.

### IARC Monographs. Overall Evaluation of Carcinogenicity

ASPHALT (CAS 8052-42-4) 2B Possibly carcinogenic to humans.  
3 Not classifiable as to carcinogenicity to humans.

## 12. Ecological Information

<b>Ecotoxicity</b>	This product has no known eco-toxicological effects.
<b>Persistence and degradability</b>	Not available.

## 13. Disposal Considerations

<b>Waste codes</b>	Not applicable.
<b>Disposal instructions</b>	Allow molten resin to solidify before disposal. Dispose in accordance with all applicable regulations.

## 14. Transport Information

### DOT

#### Basic shipping requirements:

<b>UN number</b>	3257
<b>Proper shipping name</b>	Elevated temperature liquid, n.o.s. (ASPHALT)
<b>Hazard class</b>	9
<b>Packing group</b>	III

**Additional information:**

ERG number 128

**15. Regulatory Information****CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
 Immediate Hazard - No  
 Delayed Hazard - No  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCs)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations**

WARNING: This product contains a chemical known to the State of California to cause cancer.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

ASPHALT (CAS 8052-42-4) Listed.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

ASPHALT (CAS 8052-42-4) Listed: January 1, 1990 Carcinogenic.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

ASPHALT (CAS 8052-42-4) Listed.

**US - Pennsylvania RTK - Hazardous Substances: Special hazard**

ASPHALT (CAS 8052-42-4) Special hazard.

## 16. Other Information

### Further information

HMIS® is a registered trade and service mark of the NPCA.

### HMIS® ratings

Health: 2  
Flammability: 1  
Physical hazard: 1

### NFPA ratings

Health: 2  
Flammability: 1  
Instability: 0

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### Issue date

09-06-2011