

## 1. Identification

<b>Product identifier</b>	<b>AC-12-5TR</b>
<b>Other means of identification</b>	None.
<b>Recommended use</b>	Not available.
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer:</b>	Ergon Asphalt & Emulsions, Inc.
<b>Address:</b>	2829 Lakeland Drive Jackson, MS 39232
<b>Website:</b>	www.ergonasphalt.com
<b>Telephone:</b>	1-800-222-7122 (Customer Service)
<b>E-mail:</b>	sds@ergon.com
<b>24 hour Emergency (CHEMTREC):</b>	North America 1-800-424-9300; International 1-703-527-3887

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Carcinogenicity	Category 1
	Reproductive toxicity	Category 2
	Specific target organ toxicity, repeated exposure	Category 1
<b>Environmental hazards</b>	Not classified.	
<b>OSHA defined hazards</b>	Not classified.	

\*Hazards not stated here are "Not classified", "Not applicable" or "Classification not possible".

### Label elements



<b>Signal word</b>	Danger
<b>Hazard statement</b>	May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.
<b>Precautionary statement</b>	
<b>Prevention</b>	Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
<b>Response</b>	Get medical advice/attention if you feel unwell. If exposed or concerned: Get medical advice/attention.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	Molten asphalt presents a thermal hazard.
<b>Supplemental information</b>	Vapors containing hydrogen sulfide may accumulate during storage or transport. HYDROGEN SULFIDE (H2S) can be harmful or fatal if inhaled.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
ASPHALT		8052-42-4	75-85
EXTRACTS (PETROLEUM), HEAVY PARAFFINIC DISTILLATE SOLVENT		64742-04-7	5 - < 10

#### 4. First-aid measures

<b>Inhalation</b>	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.
<b>Skin contact</b>	Immediately place the affected skin under running water for at least 20 minutes - DO NOT DELAY. Prolonged flushing/cooling is necessary. Ice (or "cold packs") may be used in the event that water is unavailable. Do not attempt to remove the asphalt. Do not place any sheets or towels on top of the asphalt due to the risk of adhesion. Get immediate medical attention.
<b>Eye contact</b>	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 or advice.
<b>Ingestion</b>	Rinse mouth. DO NOT induce vomiting. Get medical attention immediately. If ingestion of a large amount does occur, call a poison control center immediately.
<b>Most important symptoms/effects, acute and delayed</b>	Potential for severe thermal burns.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Extinguish with foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Specific hazards arising from the chemical</b>	Irritating and toxic gases or fumes may be released during a fire.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.
<b>Fire fighting equipment/instructions</b>	ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray. Use of foam or water may cause frothing.
<b>Specific methods</b>	In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>Methods and materials for containment and cleaning up</b>	Dike far ahead of spill for later disposal. Ventilate area and avoid breathing vapors or mist. For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways. Allow spilled material to solidify and scrape up with shovels into a suitable container for recycle or disposal.
<b>Environmental precautions</b>	Not available.

#### 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid contact with molten material. 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
<b>Conditions for safe storage, including any incompatibilities</b>	Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a well-ventilated place. It is recommended that the storage temperature never exceed 375°F.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
EXTRACTS (PETROLEUM), HEAVY PARAFFINIC DISTILLATE SOLVENT (CAS 64742-04-7)	PEL	5 mg/m <sup>3</sup>	Mist.

#### US. ACGIH Threshold Limit Values

Material	Type	Value	Form
AC-12-5TR	TWA	0.5 mg/m <sup>3</sup>	Inhalable fraction.

#### US. NIOSH: Pocket Guide to Chemical Hazards

Material	Type	Value	Form
AC-12-5TR	Ceiling	5 mg/m <sup>3</sup>	Fume.
ASPHALT (CAS 8052-42-4)	TWA	0.5 mg/m <sup>3</sup>	Inhalable fraction.
AC-12-5TR	Ceiling	5 mg/m <sup>3</sup>	Fume.
ASPHALT (CAS 8052-42-4)	Ceiling	5 mg/m <sup>3</sup>	Fume.
EXTRACTS (PETROLEUM), HEAVY PARAFFINIC DISTILLATE SOLVENT (CAS 64742-04-7)	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	Mist.

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Safety glasses. Wear face shield if there is risk of splashes.

#### Skin protection

##### Hand protection

Thermally protective, chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

##### Other

Normal work clothing (long sleeved shirts and long pants) is recommended. Wear 100% cotton clothing.

#### Respiratory protection

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

#### Thermal hazards

During product use, there is a risk of thermal burns.

### 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 and chemical properties

### Appearance

Brown to black in color.

#### Physical state

Liquid.

#### Form

Semi-solid at ambient temperature

#### Color

Black.

### Odor

Tar-like

### Odor threshold

Not available.

### pH

Not available.

### Melting point/freezing point

Not available.

### Initial boiling point and boiling range

> 700 °F (> 371.11 °C)

### Flash point

> 446.0 °F (> 230.0 °C) Open Cup

### Evaporation rate

Not available.

### Flammability (solid, gas)

Not available.

## Upper/lower flammability or explosive limits

<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.

**Vapor pressure** < 1 mm Hg at 70°F

**Vapor density** > 5

**Relative density** 0.96 - 1.06

## Solubility(ies)

**Solubility (water)** Insoluble

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** > 700 °F (> 371.11 °C)

**Decomposition temperature** Not available.

**Viscosity** Not available.

## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport

**Chemical stability** Stable under normal temperature conditions.

**Possibility of hazardous reactions** Hazardous polymerization does not occur.

**Conditions to avoid** Do not overheat product.

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** Upon decomposition, this product may yield sulfur dioxide, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Hydrogen sulfide.

## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** May cause irritation to the respiratory system.

**Skin contact** Molten material will produce thermal burns. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Eye contact** Molten material will produce thermal burns. Irritating to eyes. May cause tearing, burning sensation and redness.

**Ingestion** Causes digestive tract burns.

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Information on toxicological effects

**Acute toxicity** Not available.

**Skin corrosion/irritation** Causes mild skin irritation. Defatting, drying and cracking of skin. Molten material will produce thermal burns.

**Serious eye damage/eye irritation** May cause minor irritation on eye contact.

### Respiratory or skin sensitization

**Respiratory sensitization** Not available.

**Skin sensitization** Not available.

**Germ cell mutagenicity** Not available.

**Carcinogenicity**

IARC: occupational exposures to straight-run bitumens and their emissions during road paving are "possibly carcinogenic to humans" (Group 2B). Contains polycyclic aromatic compounds (PACs). Prolonged and/or repeated skin contact with certain PACs has been shown to cause skin cancer. Prolonged and/or repeated exposures by inhalation of certain PACs may also cause cancer of the lung and of other sites of the body. May cause cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

ASPHALT (CAS 8052-42-4)

2B Possibly carcinogenic to humans.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**Reproductive toxicity**

Suspected of damaging the unborn child.

**Specific target organ toxicity - single exposure**

Not available.

**Specific target organ toxicity - repeated exposure**

Adrenal glands. Bone marrow. Kidneys. Liver. Lymph system. Stomach. Thymus.

**Aspiration hazard**

Not available.

**Chronic effects**

Prolonged inhalation may be harmful.

**12. Ecological information****Ecotoxicity**

This product has no known eco-toxicological effects.

Product	Species	Test Results
AC-12-5TR		
<b>Aquatic</b>		
Fish	LC50 Fish	29.2945 mg/l, 96 hours estimated

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability**

Not available.

**Bioaccumulative potential**

Not available.

**Mobility in soil**

Not available.

**Other adverse effects**

Not available.

**13. Disposal considerations****Disposal instructions**

Allow molten resin to solidify before disposal. Dispose in accordance with all applicable regulations. When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261.

**Hazardous waste code**

Not applicable.

**Waste from residues / unused products**

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

No special precautions.

**14. Transport information****DOT****UN number**

UN3257

**UN proper shipping name**

Elevated temperature liquid, n.o.s., at or above 100 C and below its flash point (including molten metals, molten salts, etc.)

**Transport hazard class(es)****Class**

9

**Subsidiary risk**

-

**Label(s)**

9

**Packing group**

III

**Special precautions for user**

Not available.

**Special provisions**

IB1, T3, TP3, TP29

**Packaging exceptions**

None

**Packaging non bulk**

None

**Packaging bulk**

247

**IATA**

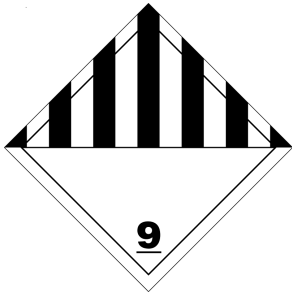
**UN number** UN3257  
**UN proper shipping name** Elevated temperature liquid, n.o.s. at or above 100°C and below its flash point (including molten metals, molten salts, etc.)  
**Transport hazard class(es)**  
    **Class** 9  
    **Subsidiary risk** -  
**Packing group** Not applicable.  
**Environmental hazards** No.  
**ERG Code** 9L  
**Special precautions for user** Not available.  
**Other information**  
    **Passenger and cargo aircraft** Forbidden  
    **Cargo aircraft only** Forbidden

**IMDG**

**UN number** UN3257  
**UN proper shipping name** ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (including molten metals, molten salts, etc.)  
**Transport hazard class(es)**  
    **Class** 9  
    **Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
    **Marine pollutant** No.  
**EmS** F-A, S-P  
**Special precautions for user** Not available.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

**DOT; IATA; IMDG**



**15. Regulatory information**

**US federal regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

ASPHALT (CAS 8052-42-4) Listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

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

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

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312** No**Hazardous chemical****SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**US state regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

ASPHALT (CAS 8052-42-4)

Listed: January 1, 1990

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

ASPHALT (CAS 8052-42-4)

EXTRACTS (PETROLEUM), HEAVY PARAFFINIC DISTILLATE SOLVENT (CAS 64742-04-7)

**International Inventories**

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)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
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)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision****Issue date** 02-07-2018**Version #** 01**Further information** HMIS® is a registered trade and service mark of the NPCA.**NFPA ratings**  
Health: 2  
Flammability: 1  
Instability: 0  
Special hazards: -W-**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.