

**1. Identification**

|   |   |  |
|---|---|--|
| <b>Product identifier</b>                                     | <b>BLACKHAWK™ 5012 LIQUID ASPHALT COATING WG</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>Company Name</b>   | ErgonArmor, a division of Ergon Asphalt & Emulsions, Inc.           |  |
| <b>Address</b>  | 2829 Lakeland Drive<br>Jackson, MS 39232<br>USA                     |  |
| <b>After hours telephone number</b>                           | 1-800-222-7122  |  |
| <b>Normal work hours telephone number</b>                     | 1-877-982-7667  |  |
| <b>Website</b>  | www.ergonarmor.com  |  |
| <b>E-mail</b>   | sds@ergon.com   |  |
| <b>Emergency 24-hour telephone number</b>                     | CHEMTREC: North America 1-800-424-9300 International 1-800-527-3887 |  |
| <b>Information on operation hours</b>                         | 8:00 a.m. to 5:00 p.m.  |  |

**2. Hazard(s) identification**

|                              |   |                             |
|------------------------------|---|-----------------------------|
| <b>Physical hazards</b>      | Flammable liquids                               | Category 3                  |
| <b>Health hazards</b>        | Skin corrosion/irritation                       | Category 2                  |
|                              | Germ cell mutagenicity                          | Category 1                  |
|                              | Carcinogenicity                                 | Category 1                  |
|                              | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| <b>Environmental hazards</b> | Not classified.                                 |                             |
| <b>OSHA defined hazards</b>  | Not classified.                                 |                             |
| <b>Label elements</b>        |   |                             |



|                                |  |
|--------------------------------|--|
| <b>Signal word</b>             | Danger   |
| <b>Hazard statement</b>        | May cause cancer. May cause genetic defects. Flammable liquid and vapor. Causes skin irritation. May cause drowsiness or dizziness.  |
| <b>Precautionary statement</b> |  |
| <b>Prevention</b>              | Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Ground/bond container and receiving equipment. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. |
| <b>Response</b>                | IF exposed or concerned: Get medical advice/attention. Specific treatment see Section 4 of this SDS. In case of fire: Use appropriate media for extinction. If skin irritation occurs, seek medical advice/attention. Take off contaminated clothing and wash before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  |

|  |   |
|--|---|
| <b>Storage</b>                                   | Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.  |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations. See section 13 of this SDS for disposal instructions. |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.   |
| <b>Supplemental information</b>                  | None.   |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                              | Common name and synonyms | CAS number | %       |
|--|--------------------------|------------|---------|
| ASPHALT                                    |                          | 8052-42-4  | 45 - 55 |
| NAPHTHA (PETROLEUM),<br>HYDROTREATED HEAVY |                          | 64742-48-9 | 45 - 55 |
| BENZENE                                    |                          | 71-43-2    | < 1     |

### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention, if needed.                                       |
| <b>Skin contact</b>   | For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. For minor skin contact, avoid spreading material on unaffected skin. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice/attention.  |
| <b>Eye contact</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>  | Rinse mouth thoroughly. Call a POISON CENTER or doctor/physician. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Not available.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.  |
| <b>General information</b>  | IF exposed or concerned: Get medical advice/attention. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Get medical attention if symptoms occur. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. |

### 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Foam. Carbon dioxide (CO <sub>2</sub> ). Water fog. Dry chemical powder.   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet.  |
| <b>Specific hazards arising from the chemical</b>                    | Fire may produce irritating, corrosive and/or toxic gases.   |
| <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>                          | In case of fire and/or explosion do not breathe fumes. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Move containers from fire area if you can do so without risk. Do not get water inside container. Some of these materials, if spilled, may evaporate leaving a flammable residue. |
| <b>Specific methods</b>  | In the event of fire and/or explosion do not breathe fumes.  |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

### Methods and materials for containment and cleaning up

Stop the flow of material, if this is without risk. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Never return spills in original containers for re-use.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water. If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center.

## 7. Handling and storage

### Precautions for safe handling

Avoid heat, sparks, open flames and other ignition sources. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Do not empty into drains. Hydrogen sulfide, a very highly toxic gas, may be present with this material. Keep face clear of tank and/or tank car openings.

### Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container closed. Keep container dry. Keep away from food, drink and animal feedingstuffs. Keep out of reach of children. Use care in handling/storage.

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

| Components            | Type | Value |
|-----------------------|------|-------|
| BENZENE (CAS 71-43-2) | STEL | 5 ppm |
|                       | TWA  | 1 ppm |

#### US. OSHA Table Z-2 (29 CFR 1910.1000)

| Components            | Type    | Value  |
|-----------------------|---------|--------|
| BENZENE (CAS 71-43-2) | Ceiling | 25 ppm |
|                       | TWA     | 10 ppm |

#### US. ACGIH Threshold Limit Values

| Components              | Type | Value                 | Form            |
|-------------------------|------|-----------------------|-----------------|
| ASPHALT (CAS 8052-42-4) | TWA  | 0.5 mg/m <sup>3</sup> | Inhalable fume. |
| BENZENE (CAS 71-43-2)   | STEL | 2.5 ppm               |                 |
|                         | TWA  | 0.5 ppm               |                 |

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

| Components              | Type    | Value               | Form  |
|-------------------------|---------|---------------------|-------|
| ASPHALT (CAS 8052-42-4) | Ceiling | 5 mg/m <sup>3</sup> | Fume. |
| BENZENE (CAS 71-43-2)   | STEL    | 1 ppm               |       |
|                         | TWA     | 0.1 ppm             |       |

### Biological limit values

#### ACGIH Biological Exposure Indices

| Components            | Value   | Determinant                   | Specimen               | Sampling Time |
|-----------------------|---------|-------------------------------|------------------------|---------------|
| BENZENE (CAS 71-43-2) | 25 µg/g | S-Phenylmercap-<br>turic acid | Creatinine in<br>urine | *             |

\* - For sampling details, please see the source document.

### Exposure guidelines

#### US - California OELs: Skin designation

BENZENE (CAS 71-43-2) Can be absorbed through the skin.

#### US ACGIH Threshold Limit Values: Skin designation

BENZENE (CAS 71-43-2) Can be absorbed through the skin.

|  |   |
|--|---|
| <b>Appropriate engineering controls</b>                                      | Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.   |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Wear safety glasses; chemical goggles (if splashing is possible).   |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.   |
| <b>Other</b>   | It is a good industrial hygiene practice to minimize skin contact. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.  |
| <b>Respiratory protection</b>  | When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  |
| <b>Thermal hazards</b>   | Not available.  |
| <b>General hygiene considerations</b>  | When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice. |

## 9. Physical and chemical properties

|   |  |
|---|--|
| <b>Appearance</b>                                   | Viscous liquid                                       |
| <b>Physical state</b>                               | Liquid.  |
| <b>Form</b>   | Liquid.  |
| <b>Color</b>  | Brown - black  |
| <b>Odor</b>   | Mild Petroleum Odor                                  |
| <b>Odor threshold</b>                               | Not available.                                       |
| <b>pH</b>   | Not available.                                       |
| <b>Melting point/freezing point</b>                 | Not available.                                       |
| <b>Initial boiling point and boiling range</b>      | 300 °F (148.89 °C)                                   |
| <b>Flash point</b>                                  | 100.0 - 140.0 °F (37.8 - 60.0 °C) Cleveland Open Cup |
| <b>Evaporation rate</b>                             | Not available.                                       |
| <b>Flammability (solid, gas)</b>                    | Not available.                                       |
| <b>Upper/lower flammability or explosive limits</b> |  |
| <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.                                       |
| <b>Vapor pressure</b>                               | Not available.                                       |
| <b>Vapor density</b>                                | > 1  |
| <b>Relative density</b>                             | Not available.                                       |
| <b>Solubility(ies)</b>                              |  |
| <b>Solubility (water)</b>                           | Not available.                                       |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                                       |
| <b>Auto-ignition temperature</b>                    | Not available.                                       |
| <b>Decomposition temperature</b>                    | Not available.                                       |
| <b>Viscosity</b>                                    | Not available.                                       |
| <b>Other information</b>                            |  |
| <b>VOC</b>  | < 350 g/l  |

## 10. Stability and reactivity

|                   |  |
|-------------------|--|
| <b>Reactivity</b> | The product is stable and non-reactive under normal conditions of use, storage and transport |
|-------------------|--|

|   |   |
|---|---|
| <b>Chemical stability</b>                 | Stable at normal conditions.              |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.  |
| <b>Conditions to avoid</b>                | Heat, flames and sparks.                  |
| <b>Incompatible materials</b>             | Strong oxidizing agents.                  |
| <b>Hazardous decomposition products</b>   | Irritants. Carbon oxides. Sulphur oxides. |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea                                 |
| <b>Skin contact</b> | Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis                      |
| <b>Eye contact</b>  | May be irritating to eyes.  |
| <b>Ingestion</b>    | May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. |

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

### Information on toxicological effects

|  |                            |
|--|----------------------------|
| <b>Acute toxicity</b>                    | Not classified.            |
| <b>Skin corrosion/irritation</b>         | Causes skin irritation.    |
| <b>Serious eye damage/eye irritation</b> | May be irritating to eyes. |

### Respiratory or skin sensitization

|                                  |                        |
|----------------------------------|------------------------|
| <b>Respiratory sensitization</b> | Not available.         |
| <b>Skin sensitization</b>        | Not a skin sensitizer. |

**Germ cell mutagenicity** May cause genetic defects.

**Carcinogenicity** May cause cancer.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

|                         |                                     |
|-------------------------|-------------------------------------|
| ASPHALT (CAS 8052-42-4) | 2B Possibly carcinogenic to humans. |
| BENZENE (CAS 71-43-2)   | 1 Carcinogenic to humans.           |

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

|                       |        |
|-----------------------|--------|
| BENZENE (CAS 71-43-2) | Cancer |
|-----------------------|--------|

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

|                       |                               |
|-----------------------|-------------------------------|
| BENZENE (CAS 71-43-2) | Known To Be Human Carcinogen. |
|-----------------------|-------------------------------|

**Reproductive toxicity** Not classified.

**Specific target organ toxicity - single exposure** May cause drowsiness and dizziness.

**Specific target organ toxicity - repeated exposure** Not available.

**Aspiration hazard** Not classified.

**Chronic effects** Prolonged exposure may cause chronic effects.

## 12. Ecological information

**Ecotoxicity** Not expected to be harmful to aquatic organisms.

| Product                                   | Species |         | Test Results                        |
|---|---------|---------|-------------------------------------|
| BLACKHAWK™ 5012 LIQUID ASPHALT COATING WG |         |         |                                     |
| <b>Aquatic</b>                            |         |         |                                     |
| Crustacea                                 | EC50    | Daphnia | 5653.5713 mg/l, 48 hours estimated  |
| Fish                                      | LC50    | Fish    | 23451.6152 mg/l, 96 hours estimated |

| Components            | Species |   | Test Results               |
|-----------------------|---------|---|----------------------------|
| BENZENE (CAS 71-43-2) |         |   |                            |
| <b>Aquatic</b>        |         |   |                            |
| Crustacea             | EC50    | Water flea (Daphnia magna)                          | 8.76 - 15.6 mg/l, 48 hours |
| Fish                  | LC50    | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 7.2 - 11.7 mg/l, 96 hours  |

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

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

**Partition coefficient n-octanol / water (log Kow)**

BENZENE 2.13

**Mobility in soil** Not available.

**Other adverse effects** Not available.

### 13. Disposal considerations

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations. If discarded, this product is considered a RCRA ignitable waste, D001.

**Hazardous waste code** D001: Waste Flammable material with a flash point <140 F

**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

#### DOT

**UN number** UN1999

**UN proper shipping name** Tars, liquid

**Transport hazard class(es)**

**Class** Combustible Liquid

**Subsidiary risk** -

**Label(s)** 3

**Packing group** III

**Special precautions for user** If shipped by ground in quantities LESS than 119 gallons (450 L): Not regulated as a hazardous material.

**Special provisions** B1, B52, IB3, T4, TP1, TP29

**Packaging exceptions** 150

**Packaging non bulk** 203

**Packaging bulk** 242

#### IATA

**UN number** UN1999

**UN proper shipping name** Tars, liquid

**Transport hazard class(es)**

**Class** 3

**Subsidiary risk** -

**Packing group** III

**Environmental hazards** No.

**ERG Code** 3L

**Special precautions for user** Not available.

**Other information**

**Passenger and cargo aircraft** Allowed with restrictions.

**Cargo aircraft only** Allowed with restrictions.

#### IMDG

**UN number** UN1999

**UN proper shipping name** Tars, liquid

**Transport hazard class(es)**

**Class** 3

**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** No.  
**EmS** F-E, S-E  
**Special precautions for user** Not available.

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

**IATA; IMDG**



**Further information**

If shipped by ground in quantities LESS than 119 gallons (450 L): Not regulated as a hazardous material. If shipped by vessel in individual containers that are less than 7.9 gallons (30 L) each, then IMDG 2.3.2.5 exception applies: Not regulated as a hazardous material.

**15. Regulatory information**

**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.  
 CERCLA/SARA Hazardous Substances - Not applicable.

**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.  
 BENZENE (CAS 71-43-2) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

BENZENE (CAS 71-43-2) Cancer  
 Central nervous system  
 Blood  
 Aspiration  
 Skin  
 Eye  
 respiratory tract irritation  
 Flammability

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

**SARA 302 Extremely hazardous substance**

Not listed.

**Classified hazard categories**

Flammable (gases, aerosols, liquids, or solids)  
 Skin corrosion or irritation  
 Germ cell mutagenicity  
 Carcinogenicity  
 Specific target organ toxicity (single or repeated exposure)

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| BENZENE       | 71-43-2    | < 1      |

## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

BENZENE (CAS 71-43-2)

### 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 chemicals known to the State of California to cause cancer and reproductive harm.

### California Proposition 65

#### California Proposition 65 - CRT: Listed date/Carcinogenic substance

BENZENE (CAS 71-43-2) Listed: February 27, 1987

#### California Proposition 65 - CRT: Listed date/Developmental toxin

BENZENE (CAS 71-43-2) Listed: December 26, 1997

#### California Proposition 65 - CRT: Listed date/Male reproductive toxin

BENZENE (CAS 71-43-2) Listed: December 26, 1997

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

BENZENE (CAS 71-43-2)

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (CAS 64742-48-9)

## 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)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                             | 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** 12-01-2021

**Version #** 01

**NFPA ratings**  
Health: 2  
Flammability: 2  
Instability: 0

### References

ACGIH  
EPA: AQUIRE database  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents  
HSDB® - Hazardous Substances Data Bank  
IARC Monographs. Overall Evaluation of Carcinogenicity  
National Toxicology Program (NTP) Report on Carcinogens  
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices



**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.

**Revision information**

Product and Company Identification: Alternate Trade Names  
Composition / Information on Ingredients: Disclosure Overrides  
Physical & Chemical Properties: Multiple Properties  
GHS: Classification