

1. Identification
Product identifier BH5200

Other means of identification None.

Recommended use Not available.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information
Company Name ErgonArmor, a division of Ergon Asphalt & Emulsions, Inc.

Address
 2829 Lakeland Drive
 Jackson, MS 39232
 USA

After hours telephone number 1-800-222-7122

Normal work hours telephone number 1-877-982-7667

Website www.ergonarmor.com

E-mail sds@ergon.com

Emergency 24-hour telephone number CHEMTREC: North America 1-800-424-9300 International 1-800-527-3887

Information on operation hours 8:00 a.m. to 5:00 p.m.

2. Hazard(s) identification
Physical hazards Flammable liquids Category 3

Health hazards Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2

Germ cell mutagenicity Category 1B

Carcinogenicity Category 1A

Specific target organ toxicity, single exposure Category 3 narcotic effects

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Signal word Danger

Hazard statement May cause cancer. May cause genetic defects. Flammable liquid and vapor. Causes eye irritation. Causes skin irritation. May cause drowsiness or dizziness.

Precautionary statement
Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. 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. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Obtain special instructions before use.

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| Response | Specific treatment see Section 4 of this SDS. Get medical advice/attention if you feel unwell. IF exposed or concerned: Call a POISON CENTER/doctor. In case of fire: Use appropriate media for extinction. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If skin irritation occurs, seek medical advice/attention. Take off contaminated clothing and wash before reuse. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| Storage | Store in a well-ventilated place. Keep cool. Store locked up. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. See section 13 of this SDS for disposal instructions. |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | None. |

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|---|--------------------------|------------|-----------|
| STODDARD SOLVENT | | 8052-41-3 | 20 - 40 |
| ASPHALT, OXIDIZED | | 64742-93-4 | 20 - < 30 |
| NAPHTHA (PETROLEUM), HYDROTREATED HEAVY | | 64742-48-9 | 0 - 25 |
| SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. | | 64742-88-7 | 0 - 25 |
| QUARTZ | | 14808-60-7 | < 0.5 |

4. First-aid measures

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| Inhalation | 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. |
| Skin contact | 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. |
| Eye contact | 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. |
| Ingestion | 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. |
| Most important symptoms/effects, acute and delayed | Not available. |
| Indication of immediate medical attention and special treatment needed | In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed. |
| General information | 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

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| Suitable extinguishing media | Foam. Carbon dioxide (CO2). Water fog. Dry chemical powder. |
| Unsuitable extinguishing media | Do not use water jet. |
| Specific hazards arising from the chemical | Fire may produce irritating, corrosive and/or toxic gases. |

Special protective equipment and precautions for firefighters

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.

Fire fighting equipment/instructions

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.

Specific methods

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 Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value |
|----------------------------------|------|-----------------------|
| STODDARD SOLVENT (CAS 8052-41-3) | PEL | 2900 mg/m3 500 ppm |

US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components | Type | Value | Form |
|-------------------------|------|-------------------------------------|---|
| QUARTZ (CAS 14808-60-7) | TWA | 0.3 mg/m3 0.1 mg/m3 2.4 mppcf | Total dust. Respirable. Respirable. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|----------------------------------|------|-------------|----------------------|
| QUARTZ (CAS 14808-60-7) | TWA | 0.025 mg/m3 | Respirable fraction. |
| STODDARD SOLVENT (CAS 8052-41-3) | TWA | 100 ppm | |

U.S. - NIOSH

| Components | Type | Value |
|------------------------------------|------|---------|
| ASPHALT, OXIDIZED (CAS 64742-93-4) | REL | 5 mg/m3 |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|----------------------------------|---------|------------|------------------|
| QUARTZ (CAS 14808-60-7) | TWA | 0.05 mg/m3 | Respirable dust. |
| STODDARD SOLVENT (CAS 8052-41-3) | Ceiling | 1800 mg/m3 | |
| | TWA | 350 mg/m3 | |

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| 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 | Wear safety glasses; chemical goggles (if splashing is possible). |
| Skin protection | |
| Hand protection | Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves. |
| Other | 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. |
| Respiratory protection | When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. |
| Thermal hazards | Not available. |
| General hygiene considerations | 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

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| Appearance | Viscous liquid |
| Physical state | Liquid. |
| Form | Liquid. |
| Color | Brown - black |
| Odor | Mild Petroleum Odor |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | 300 °F (148.89 °C) |
| Flash point | > 100.0 °F (> 37.8 °C) Cleveland Open Cup |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | > 1 |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Density | 7.58 lb/gal |
| VOC | < 450 g/l |

10. Stability and reactivity

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| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport |
| Chemical stability | Stable at normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to avoid | Heat, flames and sparks. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | Irritants. Carbon oxides. Sulphur oxides. |

11. Toxicological information

Information on likely routes of exposure

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|---------------------|---|
| Inhalation | Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea |
| Skin contact | Causes skin irritation. |
| Eye contact | May be irritating to eyes. |
| Ingestion | 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

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|--|-------------------------|
| Acute toxicity | Not classified. |
| Skin corrosion/irritation | Causes skin irritation. |
| Serious eye damage/eye irritation | Causes eye irritation. |

Respiratory or skin sensitization

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|----------------------------------|------------------------|
| Respiratory sensitization | Not available. |
| Skin sensitization | Not a skin sensitizer. |

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

| | |
|------------------------------------|---|
| ASPHALT, OXIDIZED (CAS 64742-93-4) | 2A Probably carcinogenic to humans. |
| QUARTZ (CAS 14808-60-7) | 1 Carcinogenic to humans. |
| STODDARD SOLVENT (CAS 8052-41-3) | 3 Not classifiable as to carcinogenicity to humans. |

US. National Toxicology Program (NTP) Report on Carcinogens

| | |
|-------------------------|-------------------------------|
| QUARTZ (CAS 14808-60-7) | Known To Be Human Carcinogen. |
|-------------------------|-------------------------------|

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

Not regulated.

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| 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

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| Ecotoxicity | Harmful to aquatic life. |
| Persistence and degradability | Not available. |
| Bioaccumulative potential | Not available. |
| Partition coefficient n-octanol / water (log Kow) | |
| STODDARD SOLVENT | 3.16 - 7.15 |
| 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.



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)

Not 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 - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Yes

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

QUARTZ (CAS 14808-60-7) Listed: October 1, 1988

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

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

QUARTZ (CAS 14808-60-7)

STODDARD SOLVENT (CAS 8052-41-3)

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 |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|-------------------------------|
| 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)
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

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|-----------------------------|---|
| Issue date | 08-25-2014 |
| Revision date | 01-25-2018 |
| Version # | 03 |
| NFPA ratings | Health: 3 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 |
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| Revision information | This document has undergone significant changes and should be reviewed in its entirety |