

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
 Trade name : Superior Cold Patch

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Repairing asphalt or concrete pavement, driveways, sidewalks, parking lots & utility cuts

1.3. Details of the supplier of the safety data sheet

Superior Manufacturing
 32390 Howard Ave.
 Madison Heights, MI 48071
 www.ordersuperior.com
 866.523.5677

1.4. Emergency telephone number

Emergency number : 800-535-5053

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Carc. 2 H351
 Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) : Warning
 Hazard statements (GHS-US) : H351 - Suspected of causing cancer
 Precautionary statements (GHS-US) : P201 - Obtain special instructions before use
 P202 - Do not handle until all safety precautions have been read and understood
 P280 - Wear protective equipment
 P308 + P313 - If exposed or concerned: Get medical advice/attention

2.3. Other hazards

Other hazards not contributing to the classification : Vapors and gases from heated asphalt may contain hydrogen sulfide and may be irritating to the eyes and skin. Skin contact with asphalt may cause skin irritation and allergic reactions in some individuals. Hot material may cause burns.

2.4. Unknown acute toxicity (GHS-US)

None of the ingredients in the mixture are of unknown toxicity.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable . product is a mixture

3.2. Mixture

| Name | Product identifier | % | Classification (GHS-US) |
|----------------|---------------------|--------|---|
| Asphalt | (CAS No) 8052-42-4 | 2 . 8* | Carc. 2, H351 |
| Fuel oil No. 2 | (CAS No) 68476-30-2 | 1 . 3* | Acute Tox. 4 (Inhalation:dust,mist), H332 |

*The exact concentrations have been withheld as a trade secret
 Full text of H-phrases: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Suspected of causing cancer.
- First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including NIOSH approved positive-pressure breathing apparatus with full face mask and full protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if material enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : On land, sweep or shovel into suitable containers for reuse.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in work area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| SUPERIOR COLD PATCH | | |
|--|----------------------------------|--|
| ACGIH | Not applicable | |
| OSHA | Not applicable | |
| Asphalt (8052-42-4) | | |
| ACGIH | ACGIH TWA (mg/m ³) | 0.5 mg/m ³ Inhalable fraction |
| OSHA | Not applicable | |
| Fuel oil No. 2 (68476-30-2) | | |
| ACGIH | ACGIH TWA (mg/m ³) | 100 mg/m ³ (inhalable fraction and vapor) |
| OSHA | Not applicable | |
| Hydrogen Sulfide (7783-06-4) may be released from this product | | |
| USA ACGIH | ACGIH TWA (ppm) | 1 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 5 ppm |
| USA OSHA | OSHA PEL (ppm) (Vacated limits) | 10 ppm |
| USA OSHA | OSHA STEL (ppm) (Vacated limits) | 15 ppm |
| USA OSHA | OSHA Ceiling (ppm) | 20 ppm |

8.2. Exposure controls

| | |
|----------------------------------|--|
| Appropriate engineering controls | : Ensure that proper ventilation is provided to maintain exposures below regulated limits. |
| Personal protective equipment | : Avoid all unnecessary exposure. |
| Hand protection | : Wear protective gloves that protect against thermal burns when handling hot material. |
| Eye protection | : Chemical goggles or safety glasses. |
| Respiratory protection | : Not typically required. In cases where exposures exceed occupational control limits, a NIOSH approved respirator is recommended. |
| Other information | : Do not eat, drink or smoke during use. Wash hands and other exposed areas after use. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|----------------------------|
| Physical state | : Coated stone |
| Appearance | : Granular Black Material. |
| Color | : Black |
| Odor | : Petroleum |
| Odor threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Relative evaporation rate (ether=1) | : Slower than ether |
| Flammability (solid, gas) | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| Vapor pressure | : No data available |
| Relative density | : No data available |
| Relative vapor density at 20 °C | : Heavier than air |
| Solubility | : Negligible in water. |
| Log Pow | : No data available |

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| | |
|---------------------------|---------------------|
| Log Kow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |

9.2. Other information

| | |
|------------------|------------------|
| Percent volatile | : 0-4% by volume |
|------------------|------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

This material is not known to undergo hazardous polymerization.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Avoid contact with strong acids, oxidizing agents, and petroleum product to preserve the quality of this material.

10.6. Hazardous decomposition products

Hydrogen sulfide and other toxic vapors may be given off when heated excessively. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|----------------|------------------|
| Acute toxicity | : Not classified |
|----------------|------------------|

| Asphalt (8052-42-4) | |
|------------------------------------|-----------------------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| Fuel oil No. 2 (68476-30-2) | |
| LD50 oral rat | 12 g/kg |
| LD50 dermal rabbit | 4720 µl/kg |
| LC50 inhalation rat (mg/l) | 4.6 mg/l/4h |
| ATE US (oral) | 12000.000 mg/kg body weight |
| ATE US (vapors) | 4.600 mg/l/4h |
| ATE US (dust, mist) | 4.600 mg/l/4h |

| | |
|-----------------------------------|--------------------------------|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Suspected of causing cancer. |

| Asphalt (8052-42-4) | |
|--|--|
| IARC group | 2B - Possibly carcinogenic to humans |
| National Toxicology Program (NTP) Status | 5 - Twelfth Report - Items under consideration |
| In OSHA Hazard Communication Carcinogen list | Yes |

| | |
|--|------------------|
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : Not classified |

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Potential Adverse human health effects and symptoms : No additional information available

SECTION 12: Ecological information

12.1. Toxicity

| Fuel oil No. 2 (68476-30-2) | |
|-----------------------------|---|
| LC50 fish 1 | 35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |

12.2. Persistence and degradability

| SUPERIOR COLD PATCH | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

| Asphalt (8052-42-4) | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| SUPERIOR COLD PATCH | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| Asphalt (8052-42-4) | |
|---------------------------|-------------------------------|
| BCF fish 1 | (no bioaccumulation expected) |
| Log Pow | > 6 |
| Bioaccumulative potential | Not established. |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local, state and federal regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
Not regulated for transport

Additional information

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

| SUPERIOR COLD PATCH | |
|-------------------------------------|---------------------------------|
| SARA Section 311/312 Hazard Classes | Delayed (chronic) health hazard |

| Asphalt (8052-42-4) | |
|---|--|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |

| Fuel oil No. 2 (68476-30-2) | |
|---|--|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |

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15.2. International regulations

CANADA

Asphalt (8052-42-4)

Listed on the Canadian DSL (Domestic Substances List)

Fuel oil No. 2 (68476-30-2)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Asphalt (8052-42-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Fuel oil No. 2 (68476-30-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No additional information available

National regulations

Asphalt (8052-42-4)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Fuel oil No. 2 (68476-30-2)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

15.3. US State regulations

Asphalt (8052-42-4)

| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
|---|---|---|---|-----------------------------------|
| Yes | No | No | No | |

SECTION 16: Other information

Other information : None.

Full text of H-phrases:

| | |
|-------------------------------------|--|
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Carc. 2 | Carcinogenicity Category 2 |
| H332 | Harmful if inhaled |
| H351 | Suspected of causing cancer |

SDS US (GHS HazCom 2012)

The information contained in this SDS is believed to be accurate as of the time that this document was prepared. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical(s) is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely.

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