

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

#### 1.1. Product identifier

Trade name : Alco Shield - Ice and Water Protector - Smooth  
CAS No : 8052-42-4  
Product code : 276  
Synonyms : asphalt / asphalt blending stocks: straight run residue / asphalt, not cut back / asphalt, petroleum / asphalt, straight reduced / asphalt, straight run / asphalt, syriac / bitumen / bitumes, hot / carpeting medium / compact bitumen / earth pitch / Elevated temperature liquid, n.o.s. / Elevated temperature liquid, n.o.s., at or above 100 °C and below its flashpoint (including molten metals, molten salts, etc.), filled at a temperature higher than 190 °C / judean pitch / mineral pitch / petroleum asphalt / petroleum pitch / petroleum residue, asphalt / petroleum roofing tar / pitch, judean / residual asphalt / road asphalt / road binder / road tar / seal-coating material

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

Use of the substance/mixture : Industrial use  
Coating: component  
Adhesive: component

#### 1.3. Details of the supplier of the safety data sheet

ALCO PRODUCTS, LLC  
580 St. Jean  
Detroit, MI 48214  
T (313) 823-7500 - F (313) 331-4726  
[info@alco-products.com](mailto:info@alco-products.com) - [www.alco-products.com](http://www.alco-products.com)

#### 1.4. Emergency telephone number

Emergency number : (800) 424-9300 CHEMTREC

### 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 gloves/protective clothing/eye protection/face protection  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P405 - Store locked up  
P501 - Dispose of contents/container to ...

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Substance type : Multi-constituent  
Name : Alco Shield - Ice and Water Protector - Smooth  
CAS No : 8052-42-4

| Name   | Product identifier | %        | Classification (GHS-US) |
|--|--------------------|----------|-------------------------|
| Pétroles (bitumes de) (fumées);Асфалт (битуми) (по бензен);Bitumes, Vapeurs et aérosols lors du travail à chaud;Асфалт (aurud);Асфалт (Bitumen), petroleum fumes, (inhalable fraction);Асфалт (røyk);Асфалт нафтовый дым;Асфалто (betuminoso), fumos (aerossóis solúveis em benzeno);Асфалт (fumuri);bitumen – pare in aerosoli pri toplotni obdelavi;Асфалт, petroleum fumes;Bitumen fumes;Асфалт (bitumen) | (CAS No) 8052-42-4 | 80 - 100 | Carc. 2, H351           |

Full text of H-phrases: see section 16

#### 3.2. Mixture

Not applicable

#### 4.1. Description of first aid measures

First-aid measures general : Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

First-aid measures after inhalation : Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact : In case of burns: Wash immediately with lots of water (15 minutes)/shower. Do not tear off solidified product from the skin. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. Consult a doctor/medical service. If burned surface > 10%: take victim to hospital.

First-aid measures after eye contact : In case of burns: Rinse immediately with plenty of water for 15 minutes. Do not apply neutralizing agents. Take victim to an ophthalmologist.

First-aid measures after ingestion : Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Call Poison Information Centre ([www.big.be/antigif.htm](http://www.big.be/antigif.htm)). Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital.

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

Symptoms/injuries after inhalation : ON HEATING: Headache. Irritation of the respiratory tract. Nausea.

Symptoms/injuries after skin contact : ON HEATING: Burns.

Symptoms/injuries after eye contact : EXPOSURE TO HIGH CONCENTRATIONS: Irritation of the eye tissue.

Symptoms/injuries after ingestion : No data available.

Chronic symptoms : No effects known.

#### 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 : Water spray. Polyvalent foam. BC powder. Sand/earth. Carbon dioxide.

Unsuitable extinguishing media : Container may slop over if solid jet (water/foam) is applied.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : DIRECT FIRE HAZARD. Not easily combustible. INDIRECT FIRE HAZARD. Temperature above flashpoint: higher fire/explosion hazard.

Explosion hazard : DIRECT EXPLOSION HAZARD. No data available on direct explosion hazard. INDIRECT EXPLOSION HAZARD. No data available on indirect explosion hazard.

Reactivity : In molten state: reacts violently with water (moisture). On heating: formation of small quantities of hydrogen sulphide. Upon combustion: CO and CO<sub>2</sub> are formed.

#### 5.3. Advice for firefighters

Precautionary measures fire : Exposure to fire/heat: keep upwind. Exposure to fire/heat: seal off low-lying areas. Exposure to fire/heat: have neighbourhood close doors and windows.

Firefighting instructions : Cool tanks/drums with water spray/remove them into safety.

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Protection during firefighting : Heat/fire exposure: compressed air/oxygen apparatus.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Protective equipment : Gloves. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. See "Material-Handling" to select protective clothing.

Emergency procedures : Mark the danger area. No naked flames. Wash contaminated clothes.

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

No additional information available

#### 6.3. Methods and material for containment and cleaning up

For containment : Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.

Methods for cleaning up : If melted: allow liquid to solidify before taking it up. Start cleanup only if spill has cooled completely. Wash clothing and equipment after handling.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Keep away from naked flames/heat. Observe strict hygiene. Keep container tightly closed. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : > 21 °C

Heat-ignition : KEEP SUBSTANCE AWAY FROM: heat sources.

Prohibitions on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents.

Storage area : Keep container in a well-ventilated place. Fireproof storeroom. Meet the legal requirements.

Special rules on packaging : SPECIAL REQUIREMENTS: closing, correctly labelled, meet the legal requirements. Secure fragile packagings in solid containers.

Packaging materials : SUITABLE MATERIAL: No data available. MATERIAL TO AVOID: No data available.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Alco Shield - Ice and Water Protector - Smooth (8052-42-4)  |                   |           |
|---|-------------------|-----------|
| ACGIH   | ACGIH TWA (mg/m³) | 0.5 mg/m³ |
| OSHA  | Not applicable    |           |
| <b>Pétroles (bitumes de) (fumées);Асфалт (битуми) (по бензен);Bitumes, Vapeurs et aérosols lors du travail à chaud;Asfalt (aurud);Asphalt (Bitumen), petroleum fumes, (inhalable fraction);Asfalt (røyk);Asfalt naftowy dymy;Asfalto (betuminoso), fumos (aerossóis solúveis em benzeno);Asfalt (fumuri);bitumen – pare in aerosoli pri toplotni obdelavi;Asphalt, petroleum fumes;Bitumen fumes;Asfalt (bitumen) (8052-42-4)</b> |                   |           |
| ACGIH   | ACGIH TWA (ppm)   | 0.5 ppm   |
| OSHA  | Not applicable    |           |

#### 8.2. Exposure controls

Materials for protective clothing : GIVE GOOD RESISTANCE: leather, viton. GIVE LESS RESISTANCE: neoprene. GIVE POOR RESISTANCE: butyl rubber, chlorosulfonated polyethylene.

Hand protection : Gloves.

Eye protection : Safety glasses.

Skin and body protection : Heatproof clothing.

Respiratory protection : On heating: Gas mask with filter type A.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state                              | : Solid  |
| Appearance                                  | : Solid.   |
| Color                                       | : Dark brown to black  |
| Odor  | : Characteristic odour   |
| Odor threshold                              | : No data available  |
| pH  | : No data available  |
| Relative evaporation rate (butyl acetate=1) | : No data available  |
| Melting point                               | : No data available  |
| Freezing point                              | : No data available  |
| Boiling point                               | : > 370 °C   |
| Flash point                                 | : 204 - 288 °C   |
| Auto-ignition temperature                   | : 350 - 485 °C   |
| Decomposition temperature                   | : No data available  |
| Flammability (solid, gas)                   | : No data available  |
| Vapor pressure                              | : No data available  |
| Relative vapor density at 20 °C             | : > 1  |
| Relative density                            | : > 1  |
| Solubility                                  | : Insoluble in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in chloroform. Soluble in tetrachloromethane. Soluble in carbondisulfide. Soluble in turpentine. |
| Log Pow                                     | : > 6 (Calculated)   |
| Log Kow                                     | : No data available  |
| Viscosity, kinematic                        | : No data available  |
| Viscosity, dynamic                          | : > 0.17 Pa.s (135 °C)   |
| Explosive properties                        | : No data available  |
| Oxidizing properties                        | : No data available  |
| Explosive limits                            | : No data available  |

#### 9.2. Other information

|                 |           |
|-----------------|-----------|
| Softening point | : > 45 °C |
|-----------------|-----------|

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

In molten state: reacts violently with water (moisture). On heating: formation of small quantities of hydrogen sulphide. Upon combustion: CO and CO<sub>2</sub> are formed.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

No additional information available

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No additional information available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Alco Shield - Ice and Water Protector - Smooth ( l f )8052-42-4

|               |                    |
|---------------|--------------------|
| LD50 oral rat | > 2000 mg/kg (Rat) |
|---------------|--------------------|

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| Alco Shield - Ice and Water Protector - Smooth ( f )8052-42-4 |                       |
|---|-----------------------|
| LD50 dermal rabbit  | > 2000 mg/kg (Rabbit) |

|                                   |                                |
|-----------------------------------|--------------------------------|
| 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. |

| Alco Shield - Ice and Water Protector - Smooth (8052-42-4) |                      |
|--|----------------------|
| IARC group   | 3 - Not classifiable |

| Pétroles (bitumes de) (fumées);Асфалт (битуми) (по бензен);Bitumes, Vapeurs et aérosols lors du travail à chaud;Asfalt (aurud);Asphalt (Bitumen), petroleum fumes, (inhalable fraction);Asfalt (røyk);Asfalt naftowy dymy;Asfalto (betuminoso), fumos (aerosóis solúveis em benzeno);Asfalt (fumuri);bitumen – pare in aerosoli pri toplotni obdelavi;Asphalt, petroleum fumes;Bitumen fumes;Asfalt (bitumen) (8052-42-4) |                                      |
|---|--------------------------------------|
| IARC group  | 2B - Possibly carcinogenic to humans |

|  |  |
|--|--|
| Reproductive toxicity                              | : Not classified   |
| Specific target organ toxicity (single exposure)   | : Not classified   |
| Specific target organ toxicity (repeated exposure) | : Not classified   |
| Aspiration hazard                                  | : Not classified   |
| Symptoms/injuries after inhalation                 | : ON HEATING: Headache. Irritation of the respiratory tract. Nausea. |
| Symptoms/injuries after skin contact               | : ON HEATING: Burns.   |
| Symptoms/injuries after eye contact                | : EXPOSURE TO HIGH CONCENTRATIONS: Irritation of the eye tissue.     |
| Symptoms/injuries after ingestion                  | : No data available.   |
| Chronic symptoms                                   | : No effects known.  |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                 |   |
|-----------------|---|
| Ecology - air   | : Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).   |
| Ecology - water | : No water pollutant (surface water). Fouling to shoreline. Not harmful to fishes (LC50(96h) >1000 mg/l). Not harmful to aquatic organisms. |

| Alco Shield - Ice and Water Protector - Smooth (8052-42-4) |                            |
|--|----------------------------|
| LC50 fish 1  | > 1000 mg/l (96 h; Pisces) |
| LC50 other aquatic organisms 1                             | > 1000 mg/l (96 h)         |
| Threshold limit other aquatic organisms 1                  | > 1000 mg/l (96 h)         |

### 12.2. Persistence and degradability

| Alco Shield - Ice and Water Protector - Smooth (8052-42-4) |                                     |
|--|-------------------------------------|
| Persistence and degradability                              | Not readily biodegradable in water. |

### 12.3. Bioaccumulative potential

| Alco Shield - Ice and Water Protector - Smooth (8052-42-4) |                      |
|--|----------------------|
| Log Pow  | > 6 (Calculated)     |
| Bioaccumulative potential                                  | Not bioaccumulative. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

|                              |  |
|------------------------------|--|
| Effect on ozone layer        | :  |
| Effect on the global warming | : No known ecological damage caused by this product. |

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Waste disposal recommendations : Recycle/reuse. Dissolve or mix with a combustible solvent. Remove to an authorized dump. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery.
- Additional information : Can be considered as non hazardous waste according to Directive 2008/98/EC.

### SECTION 14: Transport information

- In accordance with DOT  
Not regulated for transport

#### Additional information

- Other information : No supplementary information available.

#### ADR

- Transport document description : UN 3257, 9, III, (D)  
Packing group (ADR) : III  
Class (ADR) : 9 - Miscellaneous dangerous substances and articles  
Hazard identification number (Kemler No.) : 99  
Classification code (ADR) : M9  
Hazard labels (ADR) : 9 - Miscellaneous dangerous compounds



Orange plates :



Tunnel restriction code (ADR) : D

#### Transport by sea

- UN-No. (IMDG) : 3257  
Class (IMDG) : 9 - Miscellaneous dangerous compounds  
EmS-No. (1) : F-A  
EmS-No. (2) : S-P

#### Air transport

- UN-No.(IATA) : 3257  
Class (IATA) : 9 - Miscellaneous Dangerous Goods

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

No additional information available

#### 15.2. International regulations

##### CANADA

No additional information available

##### EU-Regulations

No additional information available

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

Not classified

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

Not classified

#### 15.2.2. National regulations

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### 15.3. US State regulations

## SECTION 16: Other information

Full text of H-phrases:

|         |                             |
|---------|-----------------------------|
| Carc. 2 | Carcinogenicity Category 2  |
| H351    | Suspected of causing cancer |

NFPA health hazard

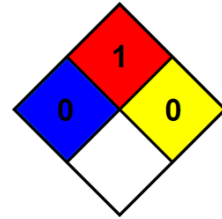
: 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard

: 1 - Must be preheated before ignition can occur.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*