

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

### 1.1. Product identifier

**Trade name or designation of the mixture** Roadsaver, Polyflex, Parking Lot, Asphalt Rubber, DF, Superflex, Matrix Binder, Loop Detector, Joint Adhesive, Polyfiber, Fiber Asphalt, Marker Adhesive, Quikstix, Asphalt Adhesive, PCF 100, High Slope, QWIKSEAL, QWIKDOT, Joint Binder

**Registration number** -

**Synonyms** None.

**Issue date** 23-February-2018

**Version number** 01

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

**Identified uses** Pavement Crack and Joint Sealing and Preservation

**Uses advised against** None known.

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

**MANUFACTURER:** CrafcO, Inc.

**Address:** 6165 West Detroit St.  
Chandler, AZ 85226 USA

**Contact Name:** Jim Chehovits

**Telephone:** 602-276-0406

**e-mail:** jim.chehovits@crafco.com

**CHEMTREC:** 800-424-9300 (North America)  
+ 1-703-527-3887 (International)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

**Hazard summary** Not regarded as a health hazard under current legislation.

### 2.2. Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

**Contains:** Asphalt, Distillates (petroleum), hydrotreated heavy naphthenic

**Hazard pictograms** None.

**Signal word** Not applicable.

**Hazard statements** Not applicable.

#### Precautionary statements

**Prevention** Not applicable.

**Response** Not applicable.

**Storage** Not applicable.

**Disposal** Not applicable.

**Supplemental label information** None.

**2.3. Other hazards** None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Asphalt	40 - 70	8052-42-4 232-490-9	01-2119480172-44	-	

#### Classification:

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Distillates (petroleum), hydrotreated heavy naphthenic	0 - 30	64742-52-5 265-155-0	01-2119467170-45	649-465-00-7	
<b>Classification:</b>					

Other components below reportable levels 0 - 75

## SECTION 4: First aid measures

<b>General information</b>	If you feel unwell, seek medical advice (show the label where possible). Discard any shoes or clothing items that cannot be decontaminated.
<b>4.1. Description of first aid measures</b>	
<b>Inhalation</b>	Get medical attention, if needed.
<b>Skin contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly wash (or discard) clothing and shoes before reuse.
<b>Eye contact</b>	Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. Do not use mouth-to-mouth method if victim ingested the substance.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	Not available.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	In case of ingestion, the decision of whether or not to induce vomiting should be made by the attending physician. Certain pre-existing conditions may make workers particularly susceptible to the effects of this chemical: asthma, allergies, impaired pulmonary function.

## SECTION 5: Firefighting measures

<b>General fire hazards</b>	Not available.
<b>5.1. Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ). Addition of water or foam to the fire may cause frothing.
<b>Unsuitable extinguishing media</b>	Not available.
<b>5.2. Special hazards arising from the substance or mixture</b>	Development of hazardous combustion gases or vapours possible in the event of a fire. The following may develop: Acrolein.
<b>5.3. Advice for firefighters</b>	
<b>Special protective equipment for firefighters</b>	Not available.
<b>Special fire fighting procedures</b>	In the event of fire, cool tanks with water spray. By fire, toxic gases may be formed (CO <sub>x</sub> , NO <sub>x</sub> ). Keep run-off water out of sewers and water sources. Dike for water control.
<b>Specific methods</b>	In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

## SECTION 6: Accidental release measures

<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
<b>For non-emergency personnel</b>	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up.
<b>For emergency responders</b>	Not available.
<b>6.2. Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Runoff or release to sewer, waterway or ground is forbidden.
<b>6.3. Methods and material for containment and cleaning up</b>	Dike far ahead of spill for later disposal. Following product recovery, flush area with water. Never return spills in original containers for re-use.
<b>6.4. Reference to other sections</b>	Not available.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

The product is non-combustible. If heated, irritating vapours may be formed. Do not use in areas without adequate ventilation. Wash hands after handling. Observe good industrial hygiene practices.

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

Prevent electrostatic charge build-up by using common bonding and grounding techniques. Keep the container tightly closed and dry.

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Belgium. Exposure Limit Values.

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	TWA	5 mg/m <sup>3</sup>	Fume.
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	Mist.

##### Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
Asphalt (CAS 8052-42-4)	STEL	10 mg/m <sup>3</sup>
	TWA	5 mg/m <sup>3</sup>
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m <sup>3</sup>

##### Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
Asphalt (CAS 8052-42-4)	MAC	5 mg/m <sup>3</sup>
	STEL	10 mg/m <sup>3</sup>

##### Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	TWA	5 mg/m <sup>3</sup>	Fume.

##### Czech Republic. OELs. Government Decree 361

Components	Type	Value
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	Ceiling	1000 mg/m <sup>3</sup>
	TWA	200 mg/m <sup>3</sup>

##### Denmark. Work Environment Authority. Exposure Limits for Substances & Materials, An. 2 & 3

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	TLV	1 mg/m <sup>3</sup>	Dust.
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TLV	1 mg/m <sup>3</sup>	Mist.

##### Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	TWA	5 mg/m <sup>3</sup>	Vapor.

##### Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	TWA	5 mg/m <sup>3</sup>	

**Greece. OELs (Decree No. 90/1999, as amended)**

Components	Type	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m <sup>3</sup>	Mist.

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

Components	Type	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	Ceiling	5 mg/m <sup>3</sup>	Mist.

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	TWA	5 mg/m <sup>3</sup>	Fume.
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	1 mg/m <sup>3</sup>	Mist.

**Ireland. Occupational Exposure Limits**

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	STEL	10 mg/m <sup>3</sup>	Fume.
	TWA	0,5 mg/m <sup>3</sup>	Fume.

**Italy. Occupational Exposure Limits**

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	TWA	0,5 mg/m <sup>3</sup>	Inhalable fraction.

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

Components	Type	Value
POLYESTER FIBERS (CAS 25038-59-9)	TWA	5 mg/m <sup>3</sup>

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

Components	Type	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	3 mg/m <sup>3</sup>	Fume and mist.
	TWA	1 mg/m <sup>3</sup>	Fume and mist.
POLYESTER FIBERS (CAS 25038-59-9)	TWA	5 mg/m <sup>3</sup>	

**Netherlands. OELs (binding)**

Components	Type	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m <sup>3</sup>	Mist.

**Norway. Administrative Norms for Contaminants in the Workplace**

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	TLV	5 mg/m <sup>3</sup>	Fume.
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TLV	1 mg/m <sup>3</sup>	Mist.

**Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment**

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	STEL	10 mg/m <sup>3</sup>	Fume.
	TWA	5 mg/m <sup>3</sup>	Fume.

**Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment**

Components	Type	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

Components	Type	Value	Form
Asphalt (CAS 8052-42-4) Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	0,5 mg/m3	Inhalable fume.
	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

Components	Type	Value	Form
Asphalt (CAS 8052-42-4) Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Fume.
	STEL	10 mg/m3	
	TWA	5 mg/m3	

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	TWA	10 ppm	Vapor and aerosol.

**Spain. Occupational Exposure Limits**

Components	Type	Value	Form
Asphalt (CAS 8052-42-4) Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	0,5 mg/m3	Aerosol
	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

**Sweden. Occupational Exposure Limit Values**

Components	Type	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	3 mg/m3	Mist.
	TWA	1 mg/m3	Mist.

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	TWA	10 mg/m3	Vapor and aerosol.

**UK. EH40 Workplace Exposure Limits (WELs)**

Components	Type	Value	Form
Asphalt (CAS 8052-42-4)	STEL	10 mg/m3	Fume.
	TWA	5 mg/m3	Fume.

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Recommended monitoring procedures</b>	Not available.
<b>Derived no effect levels (DNELs)</b>	Not available.
<b>Predicted no effect concentrations (PNECs)</b>	Not available.

## Exposure guidelines

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

Asphalt (CAS 8052-42-4)

Can be absorbed through the skin.

## 8.2. Exposure controls

### 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

#### General information

Use personal protective equipment as required. Keep working clothes separately.

#### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Wear chemical goggles; face shield (if handling molten material).

#### Skin protection

##### - Hand protection

Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

##### - Other

Wear suitable protective clothing and eye/face protection. Use of an impervious apron is recommended.

#### 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.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practices.

#### Environmental exposure controls

Not available.

## SECTION 9: Physical and chemical properties

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

#### Appearance

Solid.

#### Physical state

Solid.

#### Form

Solid.

#### Colour

Black. Dark brown

#### Odour

Product is a black, semi-solid with a burnt tar odour.

#### Odour threshold

Not available.

#### pH

Not available.

#### Melting point/freezing point

65,56 - 121,11 °C (150 - 250 °F) ASTM D36 Softening Point

#### Initial boiling point and boiling range

> 426,67 °C (> 800 °F)

#### Flash point

> 204,4 °C (> 400,0 °F)

#### 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.

#### Vapour pressure

Not available.

#### Vapour density

Not available.

#### Relative density

Not available.

#### Solubility(ies)

##### Solubility (water)

Not available.

##### Solubility (other)

Not available.

#### Partition coefficient (n-octanol/water)

Not available.

#### Auto-ignition temperature

> 371,11 °C (> 700 °F)

#### Decomposition temperature

Not available.

#### Viscosity

Not available.

#### Explosive properties

Not available.

#### Oxidising properties

Not available.

## 9.2. Other information

Density	Not available
Percent volatile	0 %
Specific gravity	1 - 1,9

## SECTION 10: Stability and reactivity

10.1. Reactivity	Not available.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	Not available.
10.4. Conditions to avoid	Strong oxidising agents.
10.5. Incompatible materials	Incompatible with oxidising agents.
10.6. Hazardous decomposition products	Upon decomposition, product emits acrid dense smoke with carbon dioxide, carbon monoxide, trace oxides of nitrogen and sulfur, and water.

## SECTION 11: Toxicological information

General information Not available.

### Information on likely routes of exposure

Inhalation	May be harmful if inhaled. However, this product does not currently meet the criteria for classification.
Skin contact	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Eye contact	May be irritating to eyes.
Ingestion	May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration.

Symptoms Not available.

### 11.1. Information on toxicological effects

Acute toxicity	Not classified.
Skin corrosion/irritation	Not classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer.
Serious eye damage/eye irritation	Not classified.
Respiratory sensitisation	Not classified.
Skin sensitisation	Not classified.
Germ cell mutagenicity	Non-mutagenic based on Modified Ames Assay.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)</b>	
Not listed.	
Reproductive toxicity	Contains no ingredient listed as toxic to reproduction
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not classified.
Mixture versus substance information	Not available.
Other information	Not available.

## SECTION 12: Ecological information

12.1. Toxicity	Not expected to be harmful to aquatic organisms.
12.2. Persistence and degradability	Not available.
12.3. Bioaccumulative potential	Not available.
Partition coefficient n-octanol/water (log Kow)	Not available.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	Not available.

**12.5. Results of PBT and vPvB assessment** Not a PBT or vPvB substance or mixture.

**12.6. Other adverse effects** Not available.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

**Residual waste** Dispose of in accordance with local regulations.

**Contaminated packaging** Offer rinsed packaging material to local recycling facilities.

**EU waste code** Not available.

**Disposal methods/information** 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.

## **SECTION 14: Transport information**

### **IATA**

14.1. - 14.6.: Not regulated as dangerous goods.

### **IMDG**

14.1. - 14.6.: Not regulated as dangerous goods.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code** Not available.

**General information** Not regulated as dangerous goods.

## **SECTION 15: Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **EU regulations**

**Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I**

Not listed.

**Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II**

Not listed.

**Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry**

Not listed.

**Regulation (EC) No. 1907/2006, Article 59(1). Candidate List**

Not listed.

#### **Authorisations**

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

#### **Restrictions on use**

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use**

Not regulated.

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work**

Not listed.



**Other EU regulations****Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

Not listed.

**Other regulations**

The product does not need to be labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**National regulations**

Not available.

**15.2. Chemical safety assessment**

Not available.

**SECTION 16: Other information****List of abbreviations**

Not available.

**References**

Not available.

**Information on evaluation method leading to the classification of mixture**

Not available.

**Full text of any H-statements not written out in full under Sections 2 to 15****Revision information**

Product and Company Identification: Alternate Trade Names  
SECTION 2: Hazards identification: Hazard summary  
Composition / Information on Ingredients: Disclosure Overrides  
SECTION 3: Composition/information on ingredients: Composition comments  
SECTION 8: Exposure controls/personal protection: Appropriate engineering controls  
Physical & Chemical Properties: Multiple Properties  
Regulatory Information: United States

**Training information**

Not available.

**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.