



# SAFETY DATA SHEET

Creation Date 11-Jan-1996

Revision Date 05-Oct-2015

Version 1

## 1. IDENTIFICATION

**Product Name** Base Asphalt - Oxidized

**Synonyms** Drilling Fluids, Coatings, Culvert Compound, Extenders, Waterproofing, Adhesives, Sealants, Sound Dampening, Specialty Asphalts, Rolled Roofing and Modified Bitumen Base  
175478, 181947, 188171, 189333, 189859, 189860, 190357, 201459, 311606, 311607, 327141, 368550, 368805, 409076, 420141, 512997, 523895, 524219, 59255, 59414, 59480, 59847, 59610, 59613, 596247, 59635, 59788, 59796, 59828, 59848, 59867, 59896, 59902, 59987, 61185, 61219, 629276, 640850, 65293, 65611, 671129, 712613, 745537, 751423, 4511, 4541, 59252, 59867, 59881, 59616, 59832, 59881, 59869, 656030

**Product Code** OCRA00022

**Recommended Use** Base asphalt used in compounding industrial products including rolled goods.

**UN/ID no.** UN3257

**Manufacturer Address** Owens Corning Roofing and Asphalt, LLC  
One Owens Corning Parkway  
Toledo, Ohio 43659

**Company Phone Number** 1-800-GET-PINK or 1-800-438-7465  
**24 Hour Emergency Phone Number** Chemtrec 1-800-424-9300  
**Emergency Telephone** 1-419-248-5330 (after 5 pm ET and weekends)

**E-mail address** [safetydatasheet@owenscorning.com](mailto:safetydatasheet@owenscorning.com)  
**Company Website** <http://owenscorning.com/>

## 2. HAZARDS IDENTIFICATION

**OSHA Regulatory Status** • This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

### Label elements

#### Warning

#### Hazard statements

Causes skin irritation  
Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**Skin**

If eye irritation persists: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash before reuse

**Hazards not otherwise classified (HNOC)**

- Contact with product at elevated temperatures can result in thermal burns
- Dangerous amounts of Hydrogen Sulfide, a highly toxic gas, may be present in the headspace of heated containers.
- This petroleum based product may contain trace amounts of polycyclic aromatic compounds (PACs) including polynuclear aromatic hydrocarbons (PAHs) which can be released when product is heated.

**Unknown acute toxicity**

- No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Components**

Chemical Name	CAS No.	Weight-%	Trade Secret
Asphalt, Oxidized (other uses)	64742-93-4	60-100	*
Petroleum Resin	64742-16-1	0-40	*

- \*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

**Description of First Aid Measures****Eye contact**

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
- If eye irritation persists: Get medical advice/attention

**Skin contact**

- **HOT MATERIAL:**
- Immediately drench or immerse area in water to assist in cooling.
- Apply iced water or ice packs to burned area.
- **DO NOT** use iced water or ice packs if the burned area covers more than 10% of the body, as this may contribute to shock.
- **DO NOT** try to remove product from burned area after it has cooled.
- Seek immediate medical attention/advice
- Medical personnel can soften and remove cooled product with petroleum jelly or mineral oil.
- **COLD MATERIAL**
- Clean exposed skin with mild soap and water.
- If skin irritation persists, call a physician

**Inhalation**

- If respiratory symptoms develop, move victim to fresh air away from source of exposure and into fresh air.

	<ul style="list-style-type: none"> <li>• If breathing is difficult, give oxygen</li> <li>• If symptoms persist, call a physician</li> <li>• If breathing has stopped, give artificial respiration. Get medical attention immediately</li> </ul>
<b>Ingestion</b>	<ul style="list-style-type: none"> <li>• <b>DO NOT</b> induce vomiting</li> <li>• If vomiting occurs naturally have the person lean forward to reduce the risk of aspiration.</li> <li>• Drink 1 or 2 glasses of water</li> <li>• Get medical attention</li> </ul>
<b>Most important symptoms and effects, both acute and delayed</b>	<ul style="list-style-type: none"> <li>• Irritation nose and throat</li> <li>• Irritation of eyes and mucous membranes</li> <li>• Skin irritation</li> <li>• Unconsciousness</li> <li>• Corneal damage</li> <li>• Narcosis</li> <li>• Decrease in motor functions</li> <li>• Behavioral changes</li> <li>• Edema</li> <li>• Conjunctivitis</li> <li>• Defatting of skin</li> <li>• Rash</li> </ul>
<b>Note to physicians</b>	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	<ul style="list-style-type: none"> <li>• Treat as fuel oil or hydrocarbon fire.</li> <li>• Use extinguishing measures that are appropriate to local circumstances and the surrounding environment</li> <li>• Dry chemical</li> <li>• Foam</li> <li>• Carbon dioxide (CO<sub>2</sub>)</li> <li>• Use water spray or fog; do not use straight streams</li> <li>• Use water to cool fire-exposed containers and to protect personnel.</li> </ul>
<b>Unsuitable extinguishing media</b>	<ul style="list-style-type: none"> <li>• Do not use a solid water stream as it may scatter and spread fire</li> </ul>
<b>Specific hazards arising from the chemical</b>	<ul style="list-style-type: none"> <li>• Hot product may ignite flammable materials on contact.</li> </ul>
<b>Hazardous combustion products</b>	<ul style="list-style-type: none"> <li>• Carbon monoxide</li> <li>• Carbon dioxide (CO<sub>2</sub>)</li> <li>• Oxides of sulfur</li> <li>• Hydrogen sulfide</li> </ul>
<b>Explosion data</b>	
<b>Sensitivity to Mechanical Impact</b>	• None
<b>Sensitivity to Static Discharge</b>	• None
<b>Protective equipment and precautions for firefighters</b>	<ul style="list-style-type: none"> <li>• As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear</li> </ul>

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	<ul style="list-style-type: none"> <li>• Avoid contact with eyes and skin</li> <li>• Evacuate personnel to safe areas</li> </ul>
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- Environmental precautions**
- Prevent further leakage or spillage if safe to do so
  - Avoid runoff into storm sewers, ditches and waterways.
  - See Section 12 for additional ecological information

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

- Methods for containment**
- Contain spill with an inert absorbent material such as soil, sand or oil dry.
  - Prevent from spreading by covering, diking or other means.
- Methods for cleaning up**
- Use personal protective equipment as required
  - Take up mechanically, placing in appropriate containers for disposal
  - Clean contaminated surface thoroughly

### 7. HANDLING AND STORAGE

- Precautions for safe handling**
- Avoid contact with skin, eyes or clothing
  - Avoid breathing fumes from hot material
  - Hydrogen sulfide, an extremely flammable, colorless, highly toxic gas is emitted from heated asphalt and may accumulate in storage tanks or bulk transport containers.
  - Handle in accordance with good industrial hygiene and safety practice

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

- Storage Conditions**
- Keep in a dry, cool and well-ventilated place
  - Assure proper ventilation of storage or shipping containers to prevent accumulations of hazardous concentrations of off-gassed hydrocarbon gas or H<sub>2</sub>S
- Incompatible materials**
- Strong oxidizing agents
  - Water

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH REL
Hydrogen sulfide 7783-06-4	STEL: 5 ppm TWA: 1 ppm	(vacated) TWA: 10 ppm (vacated) TWA: 14 mg/m <sup>3</sup> (vacated) STEL: 15 ppm (vacated) STEL: 21 mg/m <sup>3</sup> Ceiling: 20 ppm	IDLH: 100 ppm Ceiling: 10 ppm 10 min Ceiling: 15 mg/m <sup>3</sup> 10 min
Asphalt Fume 8052-42-4	TWA: 0.5 mg/m <sup>3</sup> benzene soluble aerosol fume, inhalable fraction	-	Ceiling: 5 mg/m <sup>3</sup> fume 15 min

NIOSH REL *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems

#### Individual protection measures, such as personal protective equipment

- Eye/face protection**
- Wear safety glasses with side shields (or goggles)
  - Wear face shield if splash hazard exist.
- Skin and body protection**
- Wear protective gloves (heat insulated, leather, lined neoprene coated gloves are recommended when working with hot product).
  - Wear long sleeved shirt and long pants (cotton or other thermal protective material is recommended).

- Respiratory protection**
- When workers are facing concentrations above the exposure limit they must use appropriate certified respirators in accordance with their company's respiratory protection program, local regulations or 29 CFR 1910.134.
  - If irritation occurs, wear an air purifying respirator with particulate and organic vapor cartridges.
  - Supplied air respirators or self-contained breathing apparatus should be used when concentrations of hydrogen sulfide exceeds the occupational exposure limit.
- General Hygiene Considerations**
- Avoid contact with skin, eyes and clothing.
  - Wash exposed areas thoroughly after handling this product.
  - Wash hands and arms frequently.
  - Shower after exposure.
  - Wash work clothes when soiled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Solid in cartons Liquid when heated
<b>Appearance</b>	No information available
<b>Odor</b>	Petroleum distillates
<b>Color</b>	black, brown
<b>pH</b>	No information available
<b>Melting point / freezing point</b>	> 105 °C / 221 °F
<b>Boiling point / boiling range</b>	>= 538 °C / 1000 °F
<b>Flash point</b>	> 218 °C / > 424 °F Cleveland Open Cup
<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limit in Air</b>	
<b>Upper flammability limit:</b>	No information available
<b>Lower flammability limit:</b>	No information available
<b>Vapor pressure</b>	<5 mm Hg @ 20°C
<b>Vapor density</b>	No information available
<b>Water solubility</b>	Insoluble in water
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Viscosity</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available
<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Vapor density</b>	No information available
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	• No data available
<b>Chemical stability</b>	• Stable under normal conditions
<b>Possibility of Hazardous Reactions</b>	• Hazardous polymerization does not occur
<b>Conditions to avoid</b>	• Heat, flames and sparks • Keep from possible contact with water when product is in liquid state.
<b>Incompatible materials</b>	• Strong oxidizing agents • Water
<b>Hazardous Decomposition Products</b>	• Carbon dioxide (CO <sub>2</sub> ) • Carbon monoxide • Combustion products may include sulfur oxides and hydrogen sulfide.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

- Product Information**
- Harmful by inhalation
  - Harmful by skin contact
  - Harmful if swallowed

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Asphalt, Oxidized (other uses) 64742-93-4	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Hydrogen sulfide 7783-06-4	-	-	= 0.99 mg/L ( Rat ) 1 h
Asphalt Fume 8052-42-4	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Immediate Health Effects:** Inhalation of vapors, fumes and/or mist may cause nose, throat, and mucous membrane irritation, and nausea, headaches or dizziness, and central nervous system depression, including drowsiness, loss of coordination, and unconsciousness. Eye contact may cause severe irritation, redness, tearing, and blurred vision. If ingested, may cause mouth, throat and gastrointestinal tract irritation and upset with possible nausea, vomiting and diarrhea. Aspiration of petroleum distillates into the lungs can cause severe chemical pneumonitis that can be fatal. See Section 8 for exposure controls.

**Delayed Health Effects** Prolonged or repeated skin contact may result in dryness and irritation of the skin. Prolonged contact with clothing saturated in petroleum distillates can cause second degree burns. Long term skin exposure to asphalt can increase sensitivity to the sun, and may cause discoloration.

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** This petroleum based product contains a variable amount of polycyclic aromatic compounds (PACs) including polynuclear aromatic hydrocarbons (PAHs) which have been shown to cause cancer and respiratory damage in humans and laboratory animals.

Chemical Name	ACGIH	IARC	NTP	OSHA
Asphalt, Oxidized (other uses) 64742-93-4	-	--	-	X

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.  
 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** • Harmful to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Asphalt, Oxidized (other uses) 64742-93-4	56: 72 h Pseudokirchneriella subcapitata mg/L EC50	-	-
Hydrogen sulfide 7783-06-4	-	0.0448: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.016: 96 h Pimephales promelas mg/L LC50	0.022: 96 h Gammarus pseudolimnaeus mg/L LC50

		flow-through	
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**Persistence and degradability** • No information available

**Bioaccumulation** • No information available

Chemical Name	Partition coefficient
Hydrogen sulfide 7783-06-4	0.45
Asphalt Fume 8052-42-4	6

**Other adverse effects** • No information available

**13. DISPOSAL CONSIDERATIONS**

**Disposal of wastes** • Disposal should be in accordance with applicable regional, national and local laws and regulations

**Contaminated packaging** • Do not reuse container

**US EPA Waste Number** U135

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Polycyclic Aromatic Hydrocarbons 130498-29-2	-	Included in waste stream: K022	-	-
Hydrogen sulfide 7783-06-4	U135	-	-	U135

**14. TRANSPORT INFORMATION**

**Note:** • Non-bulk containers of solid material are not regulated.  
• Material heated at or above 100°C is regulated.

**DOT**

**UN/ID no.** UN3257  
**Proper shipping name** Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point  
**Hazard Class** 9  
**Packing Group** III  
**Special Provisions** IB1, T3, TP3, TP29  
**Description** UN3257, Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point (<TND>), 9, III  
**Emergency Response Guide Number** 128

**TDG**

**UN/ID no.** UN3257  
**Proper shipping name** Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point  
**Hazard Class** 9  
**Packing Group** III  
**Description** UN3257, Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point, 9, III

**MEX**

**UN/ID no.** UN3257  
**Proper shipping name** Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point  
**Hazard Class** 9  
**Packing Group** III  
**Description** UN3257, Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point, 9, III

ICAO (air) Forbidden Not regulated

IATA Forbidden Not regulated

**IMDG**

**UN/ID no.** UN3257  
**Proper shipping name** Elevated temperature liquid, n.o.s.\*  
**Hazard Class** 9  
**Packing Group** III  
**EmS-No.** F-A, S-P  
**Special Provisions** 232, 274  
**Description** UN3257, Elevated temperature liquid, n.o.s.\*, 9, III

**RID**

**UN/ID no.** UN3257  
**Proper shipping name** Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point  
**Hazard Class** 9  
**Packing Group** III  
**Classification code** M9  
**Description** UN3257, Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point, 9, III  
**Labels** 9

**ADR**

**UN/ID no.** UN3257  
**Proper shipping name** Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point  
**Hazard Class** 9  
**Packing Group** III  
**Classification code** M9  
**Tunnel restriction code** (D)  
**Special Provisions** 274, 643  
**Description** UN3257, Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point, 9, III, (D)  
**Labels** 9

**ADN**

**Proper shipping name** Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point  
**Hazard Class** 9  
**Packing Group** III  
**Classification code** M9  
**Special Provisions** 274, 580, 643  
**Description** UN3257, Elevated temperature liquid, n.o.s., at or above 100°C (212°F), and below its flash point, 9, III  
**Hazard label(s)** 9  
**Limited quantity (LQ)** 0

## 15. REGULATORY INFORMATION

**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Asphalt, Oxidized (other uses) 64742-93-4	X	X		X		X	X	X	X	X
Petroleum Resin 64742-16-1	X	X		X		X	X	X	X	X

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances

## US Federal Regulations

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

### CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Hydrogen sulfide 7783-06-4	100 lb	-	-	X

### CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Hydrogen sulfide 7783-06-4	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

## US State Regulations

### California Proposition 65

This product is not regulated under California Proposition 65.

### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Asphalt, Oxidized (other uses) 64742-93-4	X	-	-
Hydrogen sulfide 7783-06-4	X	X	X
Asphalt Fume 8052-42-4	X	X	X

## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Creation Date 11-Jan-1996  
Revision Date 05-Oct-2015  
Revision Note No information available

### Disclaimer

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

**End of Safety Data Sheet**