



SAFETY DATA SHEET

Creation Date 04-Aug-2016

Revision Date 17-Dec-2018

Version 3

1. IDENTIFICATION

Product Name Crosslinked Polymer Modified Asphalt

Synonyms PG 70-28 FC
PG 70-28 RMA

Product Code OCRA00033

Recommended Use Polymer modified performance graded asphalt binder

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 or 1-703-741-5970 CCN17393

Emergency Telephone 1-419-248-5330 (after 5 pm ET and weekends)

E-mail address 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



ERG Code
Eyes

IF exposed or concerned
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

Skin	present and easy to do. Continue rinsing 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
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
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
Unknown acute toxicity	No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture Product Components

Chemical name	CAS No.	Weight-%	Trade Secret
Asphalt, polymer with butadiene and styrene	228860-48-8	90-100	*
Ground Tire Rubber	999-99-9	0-10	*

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

4. FIRST AID MEASURES

Description of First Aid Measures

Eye contact	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> HOT MATERIAL: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> Clean exposed skin with mild soap and water If skin irritation persists, call a physician
Inhalation	<ul style="list-style-type: none"> If respiratory symptoms develop, move victim to fresh air away from source of exposure and into fresh air If breathing is difficult, give oxygen If symptoms persist, call a physician If breathing has stopped, give artificial respiration. Get medical attention immediately
Ingestion	<ul style="list-style-type: none"> DO NOT induce vomiting If vomiting occurs naturally have the person lean forward to reduce the risk of aspiration Drink 1 or 2 glasses of water Get medical attention
Note to physicians	<ul style="list-style-type: none"> Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	<ul style="list-style-type: none">• Treat as fuel oil or hydrocarbon fire• Use extinguishing measures that are appropriate to local circumstances and the surrounding environment• Dry chemical• Foam• Carbon dioxide (CO₂)• Use water spray or fog; do not use straight streams• Use water to cool fire-exposed containers and to protect personnel
Unsuitable extinguishing media	<ul style="list-style-type: none">• Do not use a solid water stream as it may scatter and spread fire
Specific hazards arising from the chemical	<ul style="list-style-type: none">• Hot product may ignite flammable materials on contact
Hazardous combustion products	<ul style="list-style-type: none">• Carbon monoxide• Carbon dioxide (CO₂)• Oxides of sulfur• Hydrogen sulfide
Explosion data	
Sensitivity to Mechanical Impact	• No information available
Sensitivity to Static Discharge	• No information available
Protective equipment and precautions for firefighters	<ul style="list-style-type: none">• As in any fire, wear self-contained breathing apparatus (positive-pressure), MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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

Methods and material for containment and cleaning up

Methods for containment	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Use personal protective equipment as required• Take up mechanically, placing in appropriate containers for disposal• Clean contaminated surface thoroughly• Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry• Avoid creating dust

7. HANDLING AND STORAGE

Conditions for safe storage, including any incompatibilities

Storage Conditions	<ul style="list-style-type: none">• Keep in a dry, cool and well-ventilated place• Assure proper ventilation of storage or shipping containers to prevent accumulations of
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hazardous concentrations of off-gassed hydrocarbon gas or H₂S

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 ³ (vacated) STEL: 15 ppm (vacated) STEL: 21 mg/m ³ Ceiling: 20 ppm	IDLH: 100 ppm Ceiling: 10 ppm 10 min Ceiling: 15 mg/m ³ 10 min

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

Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits

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

- Do not eat, drink or smoke when using this product
- Avoid contact with eyes, skin and clothing
- Wash exposed areas thoroughly after handling this product
- Shower after exposure
- Wash work clothes when soiled

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Odor	Petroleum
Color	Black, Brown
Melting point / freezing point	
Boiling point / boiling range	>538 °C / °F
Flash point	>218 °C / >425 °F
Vapor pressure @20 °C (kPa)	3.0 mm Hg @ 20°C
Water solubility	Insoluble in water
Autoignition temperature	>343 °C / >650 °F
Specific Gravity	0.98-1.15

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No data available
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Chemical name	Oral LD50	LD50/dermal/rat - NO UNITS (Wizards mg/kg)	Inhalation LC50
Hydrogen sulfide 7783-06-4	-	-	= 700 mg/m ³ (Rat) 4 h

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 product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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

Chemical name	Algae/aquatic plants	Fish	Crustacea
Hydrogen sulfide 7783-06-4	-	0.0448: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 0.016: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through	-

Persistence and degradability • No information available

Bioaccumulation • No information available

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

14. TRANSPORT INFORMATION

Note: Material heated at or above 100°C/212°F 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

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) Not regulated Forbidden

IATA Not regulated Forbidden

IMDG

UN number UN3257
UN proper shipping name Elevated temperature liquid, n.o.s.*

Transport hazard class(es) 9
Packing group III
EmS-No. F-A, S-P
Special Provisions 232, 274

15. REGULATORY INFORMATION

International Inventories

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - 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

Chemical name	SARA 313 - Threshold Values %
Hydrogen sulfide - 7783-06-4	1.0

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

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

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 does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Hydrogen sulfide 7783-06-4	X	X	X

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

Creation Date 04-Aug-2016
Revision Date 17-Dec-2018
Revision Note SDS sections updated 13

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