

Material Safety Data Sheet

Casing Filler

1. Product and company identification

Product name	: Casing Filler
Other product identifiers	: 10-JF39-015
Material uses	: Corrosion protection of highway casings.
Supplier/Manufacturer	: Polyguard Products 3801 South Interstate 45 Ennis, TX 75119 Tel: (800)541-4994
MSDS authored by	: KMK Regulatory Services inc.
In case of emergency	: CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3887
Product type	: Liquid.

2. Hazards identification

Emergency overview

Color	: Black.
Physical state	: Liquid. [Viscous gel.]
Signal word	: CAUTION!
Hazard statements	: MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

Since the product is in semi-liquid form, the risk of exposure to silica quartz is minimum, this is why the related hazard statements are not shown in this MSDS.

Precautions	: Avoid breathing vapor or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
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OSHA/HCS status	: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
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Potential acute health effects

Inhalation	: Slightly irritating to the respiratory system.
Ingestion	: No known significant effects or critical hazards.
Skin	: Slightly irritating to the skin.
Eyes	: Slightly irritating to the eyes.

Potential chronic health effects

Chronic effects	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.
Target organs	: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Ingestion	: No specific data.

2. Hazards identification

Skin : Adverse symptoms may include the following:
irritation
redness

Eyes : Adverse symptoms may include the following:
irritation
watering
redness

Medical conditions aggravated by over-exposure : None known.

See toxicological information (section 11)

3. Composition/information on ingredients

United States

Name	CAS number	%
Talc	14807-96-6	< 50
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	< 35
Petroleum asphalt	8052-42-4	< 30
Petroleum resins	64742-16-1	< 20
Calcium silicate	1344-95-2	< 8
Quartz	14808-60-7	< 5

Canada

Name	CAS number	%
Talc	14807-96-6	< 50
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	< 35
Petroleum asphalt	8052-42-4	< 30
Calcium silicate	1344-95-2	< 8
Quartz	14808-60-7	< 5

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

- Eye contact** : Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention if symptoms occur.
- Inhalation** : Move exposed person to fresh air. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Flammability of the product : No specific fire or explosion hazard.

Extinguishing media

Suitable : Use an extinguishing agent suitable for the surrounding fire.

Not suitable : None known.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon oxides;
hydrogen sulfide;
sulfur oxides.

5. Fire-fighting measures

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- Personal precautions** : Provide adequate ventilation. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Spill** : Prevent entry into sewers, water courses, basements or confined areas. Scoop up as much as possible and place in an approved container. Residual material can be cleaned up using a citric based cleaner. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

United States

Ingredient	Exposure limits
Talc	<p>NIOSH REL (United States, 6/2009). TWA: 2 mg/m³ 10 hour(s). Form: Respirable fraction</p> <p>OSHA PEL Z3 (United States, 9/2005). STEL: 1 f/cc 30 minute(s). Form: not containing asbestos TWA: 20 mppcf 8 hour(s). Form: not containing asbestos</p> <p>ACGIH TLV (United States, 1/2009). TWA: 0.1 f/cc 8 hour(s).</p>
Distillates (petroleum), solvent-refined heavy paraffinic	<p>NIOSH REL (United States, 6/2009). STEL: 10 mg/m³ 15 minute(s). Form: Mist TWA: 5 mg/m³ 10 hour(s). Form: Mist</p> <p>ACGIH TLV (United States, 1/2009). TWA: 0.5 mg/m³ 8 hour(s). Form: Fume</p>
Petroleum asphalt	<p>NIOSH REL (United States, 6/2009). CELL: 5 mg/m³ 15 minute(s). Form: Fume</p>
Calcium silicate	<p>NIOSH REL (United States, 6/2009). TWA: 5 mg/m³ 10 hour(s). Form: Respirable fraction TWA: 10 mg/m³ 10 hour(s). Form: Total</p> <p>OSHA PEL (United States, 11/2006). TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction TWA: 15 mg/m³ 8 hour(s). Form: Total dust</p> <p>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction TWA: 15 mg/m³ 8 hour(s). Form: Total dust</p> <p>ACGIH TLV (United States, 1/2009). TWA: 10 mg/m³ 8 hour(s).</p>

8. Exposure controls/personal protection

Quartz	<p>OSHA PEL Z3 (United States, 9/2005). TWA: 10 mg/m³ 8 hour(s). Form: Respirable TWA: 250 mppcf 8 hour(s). Form: Respirable TWA: 30 mg/m³ 8 hour(s). Form: Total dust</p> <p>NIOSH REL (United States, 6/2009). TWA: 0.05 mg/m³ 10 hour(s). Form: Respirable dust</p> <p>ACGIH TLV (United States, 1/2009). TWA: 0.025 mg/m³ 8 hour(s). Form: Respirable fraction</p>
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Canada

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	List name	ppm	mg/m ³	Other	ppm	mg/m ³	Other	ppm	mg/m ³	Other	Notations
Talc	US ACGIH 1/2009	-	-	0.1 f/cc	-	-	-	-	-	-	
	BC 10/2009	-	2	-	-	-	-	-	-	-	[a]
	ON 8/2008	-	2	0.1 f/cc	-	-	-	-	-	-	
Quartz	QC 6/2008	-	3	-	-	-	-	-	-	-	[b]
	US ACGIH 1/2009	-	0.025	-	-	-	-	-	-	-	[c]
	AB 4/2009	-	0.025	-	-	-	-	-	-	-	[d]
	BC 10/2009	-	0.025	-	-	-	-	-	-	-	[a]
Distillates (petroleum), solvent-refined heavy paraffinic	QC 6/2008	-	0.1	-	-	-	-	-	-	-	[b]
	AB 4/2009	-	5	-	-	10	-	-	-	-	[e]
	ON 8/2008	-	5	-	-	10	-	-	-	-	[e]
Petroleum asphalt	QC 6/2008	-	5	-	-	10	-	-	-	-	[e]
	US ACGIH 1/2009	-	0.5	-	-	-	-	-	-	-	[f]
Petroleum asphalt, as benzene-soluble aerosol	AB 4/2009	-	5	-	-	-	-	-	-	-	[3] [f]
	BC 10/2009	-	0.5	-	-	-	-	-	-	-	[g]
Petroleum asphalt, as benzene soluble aerosol	ON 8/2008	-	0.5	-	-	-	-	-	-	-	
Petroleum asphalt	QC 6/2008	-	5	-	-	-	-	-	-	-	[f]
	US ACGIH 1/2009	-	10	-	-	-	-	-	-	-	
Calcium silicate	AB 4/2009	-	10	-	-	-	-	-	-	-	[3] [h]
	BC 10/2009	-	3	-	-	-	-	-	-	-	[b]
	ON 8/2008	-	10	-	-	-	-	-	-	-	[i]
	QC 6/2008	-	10	-	-	-	-	-	-	-	[i]

[3]Skin sensitization

Form: [a]Respirable [b]Respirable dust [c]Respirable fraction [d]Respirable particulate. [e]Mist [f]Fume [g]Inhalable fume [h]Nonfibrous [i]Total dust

Consult local authorities for acceptable exposure limits.

- Recommended monitoring procedures** : Personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
- Engineering measures** : No special ventilation requirements. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Hygiene measures** : Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
- Respiratory** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Not required under normal conditions of use. Recommended: Wear an appropriate NIOSH approved respirator if concentration levels exceed the safe exposure limits.
- Hands** : Use gloves appropriate for work or task being performed. Recommended: Natural rubber (latex).
- Eyes** : Safety eyewear should be used when there is a likelihood of exposure. Not required under normal conditions of use. Recommended: Safety glasses with side shields.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. No special protective clothing is required.

8. Exposure controls/personal protection

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

9. Physical and chemical properties

Physical state : Liquid. [Viscous gel.]
Flash point : Closed cup: Not applicable.
Color : Black.
Specific gravity : 1.19
Solubility : Partially soluble in the following materials: cold water and hot water.

10. Stability and reactivity

Chemical stability : The product is stable.
Conditions to avoid : Avoid exposure - obtain special instructions before use.
Materials to avoid : Reactive or incompatible with the following materials: oxidizing materials and acids.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Petroleum asphalt	LD50 Oral	Rat	>5000 mg/kg	-

Chronic toxicity

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Talc	A4	1	-	None.	-	-
Petroleum asphalt	A4	3	-	+	-	-
Calcium silicate	A4	-	-	None.	-	-
Quartz	A2	2A	-	+	Proven.	-

12. Ecological information

Environmental effects : Not established

13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Empty containers or liners may retain some product residues. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 . Transport information

DOT/TDG/IMDG/IATA : Not regulated.

15 . Regulatory information

United States

HCS Classification : Not regulated.

U.S. Federal regulations : **United States inventory (TSCA 8b)**: All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: Talc; Petroleum asphalt; Calcium silicate

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Talc: Immediate (acute) health hazard; Petroleum asphalt: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; Calcium silicate: Immediate (acute) health hazard

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

State regulations :

- Connecticut Carcinogen Reporting**: None of the components are listed.
- Connecticut Hazardous Material Survey**: None of the components are listed.
- Florida substances**: None of the components are listed.
- Illinois Chemical Safety Act**: None of the components are listed.
- Illinois Toxic Substances Disclosure to Employee Act**: None of the components are listed.
- Louisiana Reporting**: None of the components are listed.
- Louisiana Spill**: None of the components are listed.
- Massachusetts Spill**: None of the components are listed.
- Massachusetts Substances**: The following components are listed: Talc; Petroleum asphalt; Calcium silicate
- Michigan Critical Material**: None of the components are listed.
- Minnesota Hazardous Substances**: None of the components are listed.
- New Jersey Hazardous Substances**: The following components are listed: Talc; Petroleum asphalt; Quartz; Calcium silicate
- New Jersey Spill**: None of the components are listed.
- New Jersey Toxic Catastrophe Prevention Act**: None of the components are listed.
- New York Acutely Hazardous Substances**: None of the components are listed.
- New York Toxic Chemical Release Reporting**: None of the components are listed.
- Pennsylvania RTK Hazardous Substances**: The following components are listed: Talc; Petroleum asphalt; Quartz; Calcium silicate
- Rhode Island Hazardous Substances**: None of the components are listed.

15 . Regulatory information

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

<u>Ingredient name</u>	<u>Cancer</u>	<u>Reproductive</u>	<u>No significant risk level</u>	<u>Maximum acceptable dosage level</u>
Quartz	Yes.	No.	No.	No.

Canada

- WHMIS (Canada)** : Not controlled under WHMIS (Canada).
Canadian lists : **CEPA Toxic substances:** None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: None of the components are listed.
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.
- Canada inventory** : All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

International regulations

- International lists** : **Australia inventory (AICS):** Not determined.
China inventory (IECSC): Not determined.
Japan inventory: Not determined.
Korea inventory: Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.

16 . Other information

United States

- Label requirements** : MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
Hazardous Material Information System (U.S.A.) :

Health	1
Flammability	0
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

- National Fire Protection Association (U.S.A.)** :



- Other product identifiers** : 10-JF39-015
Date of issue : 06/30/2010

16 . Other information

Version : 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



Dr. Luc Séguin, PhD chemist, 25 years as a professional in regulatory compliance



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