

SECTION I - MATERIAL IDENTIFICATION		EMERGENCY INFORMATION	
PRODUCT/CHEMICAL NAME:	Calcined Petroleum Coke	LORESCO, Inc	(601) 544-7490
IDENTIFICATION:	LORESCO® types RS.3, SC.3, SC.2, DW-1, SWK, SWS, and FlexFill.	HMIS/NEPA HAZARD RATING <div style="border: 1px solid black; padding: 5px; width: fit-content;"> 4 = Extreme 3 = Serious 2 = Moderate 1 = Minimal </div>	
CHEMICAL FAMILY:	Carbon		
CAS No.:	64743-05-01		

SECTION II - CHEMICAL COMPOSITION & RECOMMENDED EXPOSURE LIMITS			
COMPOSITION/ CAS No.	% WEIGHT (Dry Basis)	EXPOSURE GUIDELINES ¹	
		ACGIH* TLV (8-hr TWA)**	OSHA*** 1910.1000 PEL**** (8-hr TWA)**
Calcined Petroleum Coke/ 64743-05-1	100	10 mg/M3 Total Dust 3 mg/ M3 as Respirable Fraction	15 mg/M3 Nuisance Dust 5 mg/M3 as Respirable Fraction
1. State, local or other agencies may have established more stringent limits. Consult local agencies for further information. * ACGIH = American Conference of Governmental Industrial Hygienist *** OSHA = Occupational Safety and Health Administration ** TLV-T WA = Threshold Limit Value-Time Weighted Average **** PEL = Permissible Exposure Limit			

SECTION III - PHYSICAL AND CHEMICAL PROPERTIES			
Appearance & Odor	Irregular, steel gray to black, granular, solid, may have slight petroleum odor.	Solubility in Water	< 0.1%
Boiling Point	Not Applicable	Specific Gravity	2 (typically)
Bulk Density	65-75 lbs/ft ³	Vapor Pressure	Not Applicable
Freezing/Melting Point	NA	Vapor Density	Not Applicable
Heat Value	~14,000 BTU/lb	Volatility by weight	Negligible

SECTION IV - HEALTH & SAFETY DATA			
HEALTH HAZARDS Avoid contact with eyes. Wash thoroughly after handling. PHYSICAL HAZARDS Keep away from all sources of ignition.			
POTENTIAL HEALTH EFFECTS	ACUTE	CHRONIC	
Health	EYE CONTACT	No significant irritation expected. Possible abrasive mechanical irritation, dust may cause stinging, watering, or redness. Flush eyes with plenty of water.	No Data Available
	INHALATION (Breathing)	No significant irritation expected. Possible mechanical irritation. Possible irritation of respiratory tract. May aggravate pre-existing respiratory conditions.	Repeated overexposure to any dusts may result in irritation of the respiratory tract, pneumoconiosis (dust congested lungs), pneumonitis (lung inflammation), coughing, and shortness of breath.
	INGESTION (Swallowing)	No significant health hazards expected. If large quantities are ingested, or discomfort occurs, seek medical attention.	No Data Available
	SKIN	First aid is not normally required. May be abrasive and mildly irritating. Prolonged or repeated contact may cause skin irritation or dermatitis to susceptible individuals.	No Data Available

Fire & Exposure	Flash Point (°F)	Not Applicable	Autoignition Temperature (°F)	Not Applicable
	Flammable Limits in Air (% by volume)	Upper NA%	Lower NA%	
	Extinguishing Media	Dry chemical type preferred, carbon dioxide, foam, water spray, sand, or earth is recommended.		
	Special Fire Fighting Procedures	Use washdown and spread out method. For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. If the potential hazard is unknown or in enclosed or confined areas self-contained breathing apparatus should be worn. Cool equipment exposed to fire with water, if it can be done with minimal risk.		
	Unusual Fire & Explosion Hazards	This material may burn, but will not ignite readily. When water is used to extinguish a fire in a confined storage space there is the possibility of a steam explosion. Whenever possible, the burning coke in a confined storage space should be removed and the material drenched in an open area to extinguish fire. Under certain conditions, the dust may be a potential explosion hazard.		
Typical Decomposition Products	Carbon oxides (CO/CO ₂), sulfur oxides and metal oxides			
Reactivity	Stability	<input checked="" type="checkbox"/> Stable	<input type="checkbox"/> Unstable	
	Hazardous Polymerization	<input checked="" type="checkbox"/> Will Not Occur	<input type="checkbox"/> Will Occur	
	Conditions to Avoid	None known		
	Incompatibility (Materials to avoid)	Incompatible with strong oxidizing agents, perchlorates, peroxides, nitric acid, especially when heated.		

SECTION V - FIRST AID MEASURES

EYES	If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.
INHALATION (Breathing)	First aid is not normally required. If breathing difficulties develop, move victim away from source of exposure and into fresh air. Seek medical attention.
INGESTION (Swallowing)	First aid is not normally required. There are no known health effects from ingestion of small amounts. If swallowed and symptoms or discomfort develops, seek medical attention.
SKIN	First aid is not normally required. Wash any chemical from the skin with soap and water.

SECTION VI - PRECAUTIONS FOR SAFE HANDLING & USE

EYE PROTECTION	Approved eye protection, such as safety glasses or goggles, to safeguard against potential eye contact is recommended.
RESPIRATORY PROTECTION	Appropriate respirator depends upon the type and magnitude of exposure. A NIOSH/MSHA approved dust respirator (i.e. type 95 [N or P] particulate filter) may be used under conditions where airborne concentrations are expected to exceed exposure limits for dust (see Section IX). Use a positive pressure air respirator, if there is potential for uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
VENTILATION	Mechanically ventilate the work environment to reduce dust concentration and to maintain normal atmospheric oxygen levels.
SKIN PROTECTION	Not required. However, it is considered good practice to wear gloves when handling.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT	Recommend using good personal hygiene practices and a clean source of water for flushing eyes and skin.

SECTION VII - REGULATORY INFORMATION

SARA 311/312	Acute: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Fire: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Reactive: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Chronic: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pressure: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
SARA 313	This material contains no chemicals, above the de minimis levels, subject to the reporting requirements of SARA 313 and 40 CFR 372		
EPA (CERCLA) REPORTABLE QUANTITY	None		
PRECAUTIONS FOR SAFE HANDLING & STORAGE	No special requirements. However, material should be stored to minimize dust formation. The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits. Wash thoroughly after handling. Use good personal hygiene practices.		
SPILLS OR RELEASES	Contain and remove by mechanical means (scoop, sweep or vacuum). Prevent spilled material from entering sewers, storm drains, or other unauthorized treatment drainage systems and natural waterways.		
DISPOSAL CONSIDERATIONS	This material, if discarded as product, is not a RCRA "listed" or "characteristic" hazardous waste. Product may be processed by an approved recycler, or disposed of at an approved waste disposal facility. Method of disposal selected is subject to compliance with applicable federal, state and local laws and regulations and product characteristics at the time of disposal.		

SECTION VIII - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME	Not regulated by DOT	REQUIRED PLACARDING	Not applicable
HAZARD CLASS	Not applicable	PACKING GROUP (P.G.)	Not applicable
TRANSPORTATION NOTES	Hot calcined petroleum coke is regulated when loading cargo vessels, if the coke temperature exceeds 130F. (See 46 CFR 148.04-17).		

SECTION IX - CHEMICAL INVENTORIES

US TSCA Chemical Inventory Section 8(b)	This product is listed on the TSCA Inventory
Country or Region	On inventory (yes/no)
Canada (DSL)	Yes
Europe (EINECS)	Yes
Australia (AICS)	Yes
China (IECSC)	Yes
Japan (ENCS)	No
Korea (ECL)	Yes
Philippines (PICCS)	Yes
New Zealand	No
REACH Registration: Calcined petroleum coke is exempt from the registration requirements of the European chemical policy Registration, Evaluation, and Authorisation of Chemicals (REACH) per Annex V, Exemptions from the Obligation to Register in Accordance with Article 2(7)(b), Exemption 10.	

SECTION X - DOCUMENTARY INFORMATION

ISSUE DATE	November 2011
PREVIOUS ISSUE DATE	Original
IDENTIFICATION No.	Calcined Petroleum

SECTION XI - DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

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