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WHMIS	Personal Protection Equipment	TDG (Ground)
		N/A

1 Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Coke

SDS Nr: SDS-0003
Chemical description: Petroleum Hydrocarbon

CAS No: 64741-79-3
EC No: 265-080-3

Registration-No: Registration deadline not expired.
Use: Fuel oil for heating and power generation.

Company identification: Freepoint Commodities, LLC
 58 Commerce Road
 Stamford, Ct. 06902

E-Mail address (competent person): Lou Santore

[Lou Santore \[LSantore@freepoint.com\]](mailto:LSantore@freepoint.com)

Emergency telephone number: Within the U.S. or Canada: 1 800 424 9300
 Outside the U.S. and Canada: +1 703 527 3887
 (collect calls accepted)

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MSDS prepared by: Paule Patterson, ENERCON Services, Inc.

2 Hazards identification

GHS Classification:

Single Target Organ Toxicity Repeated Exposure (Category2):
 Target Organ - Lungs
 Eye Irritation – Category 2B
 Aspiration Hazard – Category 1

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

Danger

CLP Hazard Statements :

HEALTH HAZARDS:

H320: Causes eye irritation.

H372: Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (inhalation).

ENVIRONMENTAL HAZARDS:

H441: Toxic to aquatic life with long lasting effects.

CLP Precautionary statements

Prevention :


P260: Do not breath dust.

P264: Wash skin thoroughly after handling.

P270: Do not eat, drink, or smoke when using this product.

P285: In case of inadequate ventilation wear respiratory protection.

P314: Get medical advice / attention if you feel unwell.

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Disposal:

P501: Dispose of contents and container to appropriate waste site or reclaimer in accordance with local, state, and national regulations.

EC Risk Phrases:

R33: Danger of cumulative effects.

R36: Irritating to eyes.

R48/23: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

3 Composition/information on ingredients

Molecular Weight: Not applicable to mixtures

Ingredient	% Weight	OSHA TWA	ACGIH TLV
Coke	100	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)

4 First aid measures

First Aid: Eyes

In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.


First Aid: Skin

Remove contaminated clothing. Flush contaminated areas for at least 15 minutes. Wash contaminated areas thoroughly with soap and water or waterless hand cleanser. Obtain medical attention if irritation or redness develops.

First Aid: Ingestion

DO NOT INDUCE VOMITING. Rinse mouth immediately and drink large quantities of water. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Monitor for breathing difficulties. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

First Aid: Inhalation

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Keep victim calm. Remove person to fresh air. If person is not breathing, provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

5 Fire-fighting measures

General Fire Hazards

See Section 9 for Flammability Properties.

Water is effective on shallow layers, but may intensify deep-seated fire in large storage areas.

Use self-contained breathing apparatus in enclosed areas. For massive fires, use unmanned hose holders or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Always stay away from tanks engulfed in fire.

Refer to NAERG Guide 128.

Unusual Fire or Explosion Hazards

Susceptible to spontaneous combustion. Highly combustible and/or explosive when in dust or powder form. Coal dust may react slowly with oxygen at room temperature. Heat accelerates the process, which could lead to spontaneous ignition in piles of coal dust.


Hazardous Combustion Products

Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

Extinguishing Media

SMALL FIRES: Any extinguisher suitable for Class B fires, Foam, Carbon Dioxide, Dry Chemical, Halon, and Water Fog. Do not flush down public sewers. The use of self-contained breathing apparatus and protective clothing is recommended for fire fighters. Avoid inhalation of vapors.

LARGE FIRES: Foam, Carbon Dioxide, Dry Chemical, Halon, and Water Fog. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers. Do not flush down public sewers. The use of self-contained breathing apparatus and protective clothing is recommended for fire fighters. Avoid inhalation of vapors.

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Fire Fighting Equipment/Instructions

Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other firefighting equipment. Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH/MSHA- approved pressure-demand self-contained breathing apparatus with full face piece and full protective clothing. Isolate area around container involved in fire.

Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied firefighting foam.

6 Accidental release measures

Recovery and Neutralization


Prevent entry into waterways, sewers, and confined areas. Carefully contain and stop the source of the spill, if safe to do so.

Materials and Methods for Clean-Up

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. In order to minimize dust, spills should be removed by vacuuming, or by lightly spraying with water and sweeping the mixture into a suitable container. Sweep or shovel spills into appropriate container for disposal. Dispose of this material and its container to hazardous or special waste collection point. Avoid raising powdered materials into airborne dust. Do not empty into drains or the aquatic environment. Observe local, state, and federal governmental regulations.

Personal Precautions and Protective Equipment

Response and clean-up crews must be properly trained and must utilize proper protective equipment (see Section 8).

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Environmental Precautions

Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material.

Prevention of Secondary Hazards

Product may burn, although not readily ignitable. Keep away from heat, sparks, or flames. Use cautious judgment when cleaning up large spills. Restrict access to area until completion of cleanup. Assess danger from a safe distance. Avoid harmful exposure to dusts. Only adequately trained personnel, wearing properly selected personal protective equipment and clothing should be involved in the spill response and cleanup. Eliminate all sources of ignition such as flames, flares, pilot lights and sparks. Shovel and sweep up or use industrial vacuum cleaner. Put material into containers for reclamation or disposal.

7 Handling and storage

Handling Procedures


Comply with all applicable EPA, OSHA, NFPA and consistent state and local requirements. Use appropriate grounding and bonding practices.

Handle as a flammable liquid. Keep away from heat, sparks, and open flame! Store in a cool, dry, well-ventilated location, away from any area where the fire hazard may be acute that complies with NFPA 30 "Flammable and Combustible Liquid Code."

Do not store near foodstuffs.

Store in properly closed containers that are appropriately labeled and in a cool well-ventilated area.

Do not cut, drill, grind or weld on empty containers since they may contain explosive residues.

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WORK/HYGIENIC PRACTICES

Emergency eye wash capability should be available in the vicinity of any potential splash exposure.

Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure.

Wash hands before eating, drinking, smoking, or using toilet facilities. Do not eat, drink or smoke in areas of use or storage.

Do not use gasoline or solvents (naphtha, kerosene, etc) for washing this product from exposed skin areas. Waterless hand cleansers are effective.

Promptly remove contaminated clothing and launder before reuse. Consider the need to discard contaminated leather shoes and gloves.

Avoid skin contact. Exercise good personal hygiene including removal of soiled clothing and prompt washing with soap and water.

Incompatibilities

Keep away from strong oxidizers, peroxides, chlorates, chromic acid, and heat sources.

8 Exposure controls/personal protection

Component Exposure Limits

Ingredient	OSHA TWA	ACGIH TLV
Coke	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)
Coal Tar Pitch Volatiles Benzene Soluble Fraction	0.2 mg/m ³	0.2 mg/m ³

Personal Protective Equipment: Respiratory

MSHA/NIOSH approved dust respirator. Appropriate respirator depends upon type and magnitude of exposure.

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A NIOSH/ MSHA-approved air-purifying respirator may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation.

Personal Protective Equipment:

Skin and Body

Chemical protective clothing such as of E.I. DuPont TyChem®, Saranex® or equivalent recommended based on degree of exposure. Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for further information.

Eye Protection

Use chemical safety goggles and / or a full face shield.

Hygiene Measures

Emergency eye wash and safety shower capability should be available in the near proximity to operations presenting a potential splash exposure. Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Do not use as a cleaning solvent on the skin. Do not use gasoline or solvents (naphtha, kerosene, etc.) for washing this product from exposed skin areas. Waterless hand cleaners are effective.

Promptly remove contaminated clothing and launder before reuse. Use care when laundering to prevent the formation of flammable vapors which could ignite via washer or dryer. Consider the need to discard contaminated leather shoes and gloves.

ENGINEERING CONTROLS

Use adequate explosion-proof ventilation and process enclosures, local exhaust ventilation or other engineering controls to keep vapor and mist concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces. Use explosion-proof equipment and lighting in classified/controlled areas.

Refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

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9 Physical and chemical properties

Appearance:	Dark brown to black	Odor:	Characteristic hydrocarbon odor
Physical State:	Solid	pH:	ND
Vapor Pressure:	Varies	Vapor Density:	N/D
Boiling Point:	ND	Melting Point:	ND
Solubility (H₂O):	Insoluble	Specific Gravity:	ND
Evaporation Rate:	ND	VOC:	ND
Octanol/H₂O Coeff.:	ND	Flash Point:	ND
Flash Point Method:	TCC	Upper Flammability Limit (UFL):	ND
Lower Flammability Limit (LFL):	15 to 1000 g/m ³	Burning Rate:	ND
Auto Ignition: ND			

10 Stability and reactivity

Chemical Stability

This is a stable material under normal conditions of use and at normal temperatures and pressures.


Hazardous Reaction Potential

Hazardous Polymerization will not occur.

Conditions to Avoid

Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources.

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Incompatible Products

Keep away from strong oxidizers.

Hazardous Decomposition Products

Thermal decomposition is highly dependent on conditions.
Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke), sulfur oxides, aldehydes and other decomposition products.

11 Toxicological information

Acute Toxicity

A: General Product Information

Potential short-term effects of exposure are: irritation eyes, skin, nose, mucous membrane, and respiratory system.

Repeated or prolonged skin exposure to petroleum oils may cause various skin disorders, such as contact or eczematous dermatitis, folliculitis, oil acne, lipid granuloma, melanosis, and rarely precancerous warts on the forearms, backs of hands or scrotum.

B: Component Analysis - LD50/LC50

Not classified

Potential Health Effects: Skin Contact Property

Skin irritation.

Potential Health Effects: Eye Contact Properties

Eye irritation.

Potential Health Effects: Ingestion

Ingestion may cause irritation and malaise. Swallowing or vomiting of the liquid may result in aspiration into the lungs.

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Potential Health Effects: Inhalation

Not classified

Carcinogenicity

A: General Product Information

Not classified

Reproductive toxicity:

This product is not reported to have any reproductive toxicity effects.

Mutagenicity: This product is not reported to have any reproductive toxicity effects.

Teratogenicity The components of this product are not reported to cause teratogenic effects in humans. Based on best current information, there is no known teratogenicity associated with this product.

Specific Target Organ Toxicity - Single Exposure: No data available.

Specific Target Organ Toxicity - Repeated Exposure: No data available.

12 Ecological information

Ecotoxicity:


Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).

Aquatic Acute: No additional information available.

Aquatic Chronic toxicity: No additional information available

Persistence and Degradability: Major constituents are inherently biodegradable.

Bioaccumulative Potential: Does not bioaccumulate.

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Mobility in Soil: Not mobile.

Other adverse effects: No information available.

Additional ecological information: No additional information available

13 Disposal considerations

Waste Disposal Instructions

Cleanup Considerations: This product as produced is not specifically listed as an EPA RCRA hazardous waste according to federal regulations (40 CFR 261). However, when discarded or disposed of, it may meet the criteria of a "characteristic" hazardous waste. This material could become a hazardous waste if mixed or contaminated with a hazardous waste or other substance(s).

It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations.

Empty container: scrap metal recycling or re-conditioning

Soiled container: (treatment like product itself)

Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local, state, and federal regulations.

Do not reuse empty containers. Dispose of this material and its container(s) in compliance with applicable regulations.

Do not dispose into the environment, in drains or in water courses. The competence of the collector or contractor should be established beforehand.


Disposal Regulatory Requirements:

Refer to latest EPA or state regulations regarding proper disposal.

14 Transport information

DOT Information: Not regulated.

Contains no REACH candidate substance.

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Other regulations, restrictions and prohibition regulations: Compliance with following regulations: Regulation (EC) 1907/2006 as amended. Regulation (EC) 1272/2008 as amended. Directive 1999/45/EC as amended. Directive 67/548/EEC as amended.

15 Regulatory information

US federal regulations:

Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal, state and/local reporting requirements. This product and/or its constituents may also be subject to other regulations at the state and/or local level. Consult those regulations applicable to your facility/operation.

US TSCA Chemical Inventory Section 8(b): This product and/or its components are listed on the TSCA Chemical Inventory.

DSL Status : All components of this product are on the Canadian DSL list.

OSHA Hazard Communication Standard: This product has been evaluated and determined to be hazardous as defined in OSHA's Hazard Communication Standard.

EPA Superfund Amendment & Reauthorization Act (SARA):

SARA Section 103 and 304: The CERCLA definition of hazardous substances contains a "petroleum exclusion" clause which exempts crude oil. Fractions of crude oil, and products (both finished and intermediate) from the crude oil refining process and any indigenous components of such from the CERCLA Section 103 reporting requirements. However, other federal reporting requirements, including SARA Section 304, as well as the Clean Water Act may still apply.

SARA 311/312 Hazards : No SARA Hazards

Contains no REACH candidate substance.

California Prop. 65 : This product may contain detectable quantities of chemicals known to the State of California to cause cancer, birth defects or other reproductive harm, and which may be subject to the requirements of California Proposition 65. Nickel / Nickel Compounds Cancer 7440-02-0 Chromium, Hexavalent Compounds Cancer

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18540-29-9 Lead Cancer 7439-92-1 Lead Developmental 7439-92-1 Polycyclic Aromatic Hydrocarbons including: Benzo(a)pyrene Cancer 50-32-8 Indeno(1,2,3-cd)pyrene Cancer 193-39-5

Other regulations, restrictions and prohibition regulations: Compliance with following regulations: Regulation (EC) 1907/2006 as amended. Regulation (EC) 1272/2008 as amended. Directive 1999/45/EC as amended. Directive 67/548/EEC as amended.

16 Other information

DISCLAIMER OF LIABILITY: Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out.

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Information is correct to the best of our knowledge at the date of the SDS publication. It is not a specification sheet nor should any displayed data be construed as a specification.

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