

Safety Data Sheet

SDS # : T-00001

Calcined Coke

Issuing Date 2018-03-19

Revision Date 2018-03-28

Version 1

Active

Internal Use Only

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name
Calcined Coke for **Toll manufacturing**

Part no. 502S69931

Color Dark gray, Black
Pure substance/mixture Substance

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Industrial feedstock

Details of the supplier of the safety data sheet

Supplier Xerox Corporation
 800 Phillips Road
 Webster, NY, 14580
 phone: 585-423-5090

For further information, please contact

Contact person Manager, Environment, Health, Safety & Sustainability
E-mail address askxerox@xerox.com
Emergency telephone Safety Information US: (800) 275-9376
 Chemical Emergency only (Chemtrec) (800) 424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Industrial use / Bulk containers

OSHA Hazard Classification Combustible dust

Label elements

Signal Word Warning

Hazard Statements May cause combustible dust concentrations in air

Precautionary Statements Prevent dust cloud
 Sweep up or vacuum with electrically protected vacuum cleaner and collect in suitable container for disposal.
 Use non-sparking tools and equipment
 Keep away from sources of ignition - No smoking

Other hazards

No hazard expected under normal conditions of use

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	CAS No.	Weight %	Classification (Reg. 1272/2008)	Hazard Statements
Coke, petroleum, calcined	64743-05-1	100		

4. FIRST AID MEASURES

Description of first-aid measures

General advice For external use only. When symptoms persist or in all cases of doubt seek medical advice. Show this material safety data sheet to the doctor in attendance.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes, Get medical attention immediately if irritation persists

Skin contact Wash skin with soap and water

Inhalation IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing, If symptoms persist, call a physician

Ingestion Not an expected route of exposure, IF SWALLOWED: Rinse mouth. DO NOT induce vomiting, If symptoms persist, call a physician

Most important symptoms and effects, both acute and delayed

Acute toxicity

Eyes Contact with eyes may cause irritation

Skin Substance may cause slight skin irritation

Inhalation No known effect

Ingestion No known effect

Chronic toxicity

No known effects under normal use conditions

Main symptoms

Overexposure may cause:
mild respiratory irritation similar to nuisance dust.

Aggravated Medical Conditions

None under normal use conditions

Indication of immediate medical attention and special treatment needed

Protection of first-aiders No special protective equipment required

Notes to physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media Dry chemical, CO₂, sand, earth, water spray or foam, Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire

Special hazards arising from the substance or mixture

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

Hazardous combustion products

Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of nitrogen and sulfur

may also be formed

Special protective actions for fire-fighters

In the event of fire and/or explosion do not breathe fumes. Wear fire/flame resistant/retardant clothing. Use self-contained pressure-demand breathing apparatus if needed to prevent exposure to smoke or airborne toxins.

Other information

Flammable properties	Combustible material: may burn but does not ignite readily
Flash point	Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid breathing dust, Avoid contact with the skin and the eyes, Ensure adequate ventilation, Avoid dust formation

Environmental precautions

Prevent product from entering drains

Methods and material for containment and cleaning up

Methods for containment	Prevent dust cloud
Methods for cleaning up	Sweep up and shovel into suitable containers for disposal Avoid dust formation

Reference to other sections

The environmental impact of this product has not been fully investigated
However, this preparation is not expected to present significant adverse environmental effects.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling	Handling practices and processes should be consistent with the safe handling of combustible dust. Prevent dust cloud In case of insufficient ventilation, wear suitable respiratory equipment Keep away from open flames, hot surfaces and sources of ignition Take precautionary measures against static discharges
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Hygiene measures	Handle in accordance with good industrial hygiene and safety practice
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Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	Keep container tightly closed in a dry and well-ventilated place Store at room temperature
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Incompatible products	Strong oxidizing agents, Reducing agents
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Specific end uses

Industrial feedstock

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

ACGIH TLV TWA	10 mg/m ³ (inhalable particles)
ACGIH TLV TWA	3 mg/m ³ (respirable dust)

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OSHA PEL TWA	15 mg/m ³ (total dust)
OSHA PEL TWA	5 mg/m ³ (respirable dust)
Component Information	No component data available

Exposure controls

Engineering measures	Engineering controls should be used to maintain airborne dust levels below established exposure limits
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Individual protection measures, such as personal protective equipment (PPE)

Respiratory protection	Use only with adequate ventilation. Respirator must be worn if exposed to dust.
Eye/Face protection	Safety glasses with side-shields
Skin and body protection	No special protective equipment required
Hand protection	No special protective equipment required

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Powder	Odor	None
Odor threshold	No information available	Physical state	Solid
pH	Not applicable	Color	Dark gray, Black
Flash point	Not applicable	Boiling point/range	No data available
Softening point	No information available	Autoignition temperature	No data available

Flammability Limits in Air Not applicable

Vapor pressure	No data available
Vapor density	Not applicable
Density	45-55 lb/ft ³
Water solubility	Negligible
Viscosity	No data available
Partition coefficient	No data available
Evaporation rate	Not applicable
Melting point/range	No data available
Freezing point	Not applicable
Decomposition temperature	No data available
Specific gravity	~ 2

Other information

Explosive properties	(Method: ASTM E 1226 Standard Test Method for Explosibility of Dust Clouds)
Maximum rate of explosion pressure rise (KSt)	45-49 m ² bars/sec
Maximum explosion pressure (Pmax)	4.8-5.2 bar

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

Hazardous reactions	None under normal processing
Hazardous polymerization	Hazardous polymerization does not occur

Conditions to avoid

Heat, flames and sparks, Take precautionary measures against static discharges, Prevent dust cloud

Incompatible materials to avoid

Strong oxidizing agents, Reducing agents

Hazardous decomposition products

None under normal use

11. TOXICOLOGICAL INFORMATION

The toxicity data noted below is based on the test results of similar reprographic materials.

Information on toxicological effects

Acute toxicity

Product Information

Irritation	Particulates may cause mechanical irritation
Oral LD50	> 5 g/kg (rat)
Dermal LD50	> 5 g/kg (rabbit)
LC50 Inhalation	> 5 mg/L (rat, 4 hr)

Component Information

No information available

Chronic toxicity

Sensitization	Not expected to be a sensitizer
Neurological Effects	No information available
Target organ effects	None known

CMR Effects

Mutagenic effects	Not expected to be mutagenic
Reproductive toxicity	This product does not contain any known or suspected reproductive hazards
Developmental toxicity	None known
Teratogenicity	None known
Carcinogenicity	Contains no ingredient listed as a carcinogen

Other toxic effects

Aspiration Hazard	Not applicable
Other adverse effects	None known

12. ECOLOGICAL INFORMATION

Toxicity

On available data, the mixture / preparation is not harmful to aquatic life

Persistence and degradability

Not readily biodegradable

Bioaccumulative potential

Bioaccumulation is unlikely

Mobility in soil

No information available

Other adverse effects

Presents little or no hazard to the environment.

13. DISPOSAL CONSIDERATIONS

Disposal considerations

Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging

No special precautions are needed in handling this material

14. TRANSPORT INFORMATION

This material is not subject to regulation as a hazardous material for shipping

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

OSHA Regulatory Status

This product has been classified according to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Canada

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and the SDS contains all the information required by the HPR.

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies

U.S. 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

Clean Water Act

This product is not regulated as a pollutant pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product is not regulated as a hazardous air pollutant (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

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

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

16. OTHER INFORMATION

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Issuing Date	2018-03-19
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Revision Note	Initial Release

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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