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Updated: January 2, 2013

Product: Milco 6 Carbon Raiser

The subject product is a mechanical blend of one or more of the following raw material(s):

Components

Calcined Pitch Coke

Custom screened, sized, and packaged to specification at time of blending.

Since the mixture presents no greater hazard than any of the individual components, the Material Safety Data Sheets for the individual components are attached and satisfy the requirements of the data sheet for the mixture (Appendix A, Clarifications and Interpretations for the Hazard Communication Standard (HCS), OSHA CPL 2-2, 38B, 15 August 1988).



Calcined Medium Temperature Pitch Coke

Version 1.00

Revision Date 22.10.2012

Material Safety Data Sheet

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

Trade name Calcined Medium Temperature Pitch Coke
Synonyms Calcined Medium Temperature Pitch Coke, Calcined MTP coke, EU Format

Telephone CHEMTREC North America Transport Emergency (24-hr) (800) 424-9300
CHEMTREC World Wide Transport Emergency (24-hr) (703) 527-3887
MSDS and Product Information (8:00am-4:30pm CST) (281) 588-3315

SECTION 2 Hazards identification

Emergency Overview

State of matter Solid grey, Black

Potential environmental effects

Environmental precautions Prevent product from entering drains.

Ecological information: See chapter 12

SECTION 3 Composition/information on ingredients

<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
Coke	65996-77-2	100.00

Exposure limit(s): See chapter 8

Classification and hazard labelling: See chapter 15



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SECTION 4 First aid measures

- Eye contact** Rinse immediately with plenty of running water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
- Skin contact** Wash off immediately with plenty of water. Wash contaminated clothing before re-use. Get medical attention immediately if irritation develops and persists.
- Inhalation** Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
- Ingestion** Never give anything by mouth to an unconscious person or otherwise unable to swallow.
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SECTION 5 Firefighting measures

Flammability

Flash point

Fire/explosion Do not use a solid water stream as it may scatter and spread fire.

Hazardous combustion products No hazardous decomposition products

Suitable extinguishing media Dry chemical
Water spray
Foam

Unsuitable extinguishing media Do not use water jet.

Protection measures and instructions Wear self-contained breathing apparatus and protective suit.

SECTION 6 Accidental release measures

Environmental precautions Prevent product from entering drains.

Methods for cleaning up Shovel into suitable container for disposal. The material taken up must be disposed of in accordance with regulations.

Exposure controls/personal protection: See chapter 8



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SECTION 7 Handling and storage

Safe handling advice Wear personal protective equipment.

Storage Keep in a cool, well-ventilated place. Store in a place accessible by authorized persons only.

SECTION 8 Exposure controls/personal protection

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms. In case of dust being formed, provide for adequate extraction.

Personal protective equipment

Eyes Safety glasses with side-shields

Skin Safety shoes Long sleeved clothing

Inhalation Dust mask.

Hand protection Impervious gloves

Hygiene measures Wash hands before work breaks and immediately after handling the product.

Protective measures Wear suitable protective equipment.

Exposure Guidelines

Components Exposure limit(s)

PEL= Permissible Exposure Limits

TLV= Threshold Limit Value

EL= Excursion Limit

TWA= Time Weighted Average (8 hr.)

STEL= Short Term Exposure Limit (15 min.)

WEEL= Workplace Environmental Exposure Level

SECTION 9 Physical and chemical properties

State of matter Solid

Colour grey, Black

Boiling point/boiling range No data available

Flash point No data available

Solubility(ies) Insoluble

Melting point/range No data available

Bulk Density 1800 kg/m³



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SECTION 10 Stability and reactivity

Hazardous decomposition products No hazardous decomposition products

Incompatible products Oxidizing agents

Hazardous reactions Reactive with oxidizing reagents.

Further information Under standard test conditions (ISO 6184/1) to ascertain explosivity, the dust is not explosive.

SECTION 11 Toxicological information

Further information No data available

SECTION 12 Ecological information

Ecotoxicity effects

Further information No data available

SECTION 13 Disposal considerations

Waste Classification
Waste from residues / unused products Dispose of as special waste in compliance with local and national regulations.

Uncleaned empty packaging Packaging that cannot be decontaminated must be disposed of in the same way as the material itself.

Handling and storage: See chapter 7

Exposure controls/personal protection: See chapter 8

SECTION 14 Transport information

Further information Not classified as dangerous in the meaning of transport regulations.



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SECTION 15 Regulatory information

U.S. Federal Classifications:

OSHA Hazards No OSHA Hazards

SARA 311/312 No SARA Hazards

U.S. Regulated Ingredients:

Inventories

Registration, Evaluation and
Authorisation of Chemicals
(REACH)

Components not listed, Fixed Carbon

EU list of existing chemical substances	All chemical constituents are listed in: EU list of existing chemical substances (See chapter 3)
US TSCA Inventory	All chemical constituents are listed in: US TSCA Inventory (See chapter 3)
Australian Inv. of Chem. Substances AICS	All chemical constituents are listed in: Australian Inv. of Chem. Substances AICS (See chapter 3)
Canadian Domestic Substances List DSL	All chemical constituents are listed in: Canadian Domestic Substances List DSL (See chapter 3)
Jap. Inv. of Exist. & New Chemicals ENCS	Components Not listed Coke (coal)
Korean Exist. Chemicals List ECL	All chemical constituents are listed in: Korean Exist. Chemicals List ECL (See chapter 3)
Philippines Inv. of Chem. Subst. PICCS	All chemical constituents are listed in: Philippines Inv. of Chem. Subst. PICCS (See chapter 3)
Inv. of Exist. Chem. Substances in China	All chemical constituents are listed in: Inv. of Exist. Chem. Substances in China (See chapter 3)

Other international regulations

WHMIS Classification Not rated



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Version 1.00

Revision Date 22.10.2012

SECTION 16 Other information

All reasonable efforts were exercised to compile this SDS in accordance with ISO 11014 and ANSIZ400.1.1993. The SDS provides information regarding the health, safety and environmental hazards, at the date of issue, to facilitate the safe receipt, use and handling of the product in the workplace. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which the product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which the product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place as regards health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of the product. Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy or assume any liability for the incompleteness of the information contained herein or any advice given. The product is sold and risk passes in accordance with the specific terms and conditions of sale.

The MSDS was created by: F. SHAI

The MSDS was approved by: J. CLARK