SAFETY DATA SHEET

Revision: 6 February 2023 Version: 003

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

Coke Breeze

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name	Coke Breeze
Product description	Coke (coal)
Trade Name	Coke Breeze
Product code	Not applicable
CAS No.	92062-20-9
EC No.	295-535-1
REACH Registration No.	Not applicable

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

Identified uses	Use as a fuel. Use as reductant.
Uses advised against	Anything other than the above.

1.3 Details of the supplier of the safety data sheet

Company Identification	Vitol SA Place des Bergues 3 1201 Geneva Switzerland
Telephone	+31 10 498 7200
Fax	+31 10 452 9545
E-mail (competent person)	xreach@vitol.com

1.4 Emergency Telephone Number

Emergency Phone No.	+44 (0) 1235 239 670, 24/7
Language(s) spoken:	All official European languages.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Regulation (EC) No. 1272/2008 (CLP) Not classified as hazardous for supply/use.

2.2 Label elements According to Regulation (EC) No. 1272/2008 (CLP)

Product description	Coke Breeze
Hazard Pictogram(s)	None assigned
Signal Word(s)	None assigned
Hazard Statement(s)	None assigned
Precautionary Statement(s)	None assigned

2.3 Other hazards Finely dispersed particles form explosive mixtures with air. Combustion releases carbon monoxide (CO). Prolonged or excessive exposure to CO may lead to unconsciousness and even, in extreme cases, death.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

SUBSTANCE	CAS No.	EC No.	%W/W
Coke (coal)	65996-77-2	266-010-4	100

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Self-protection of the first aider	No action should be taken involving personal risk. Use personal protective equipment as required. Ensure adequate ventilation. Do not breathe dust. Avoid contact with contaminated tools and objects. Take off contaminated clothing and wash it before reuse.
Inhalation	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If irritation develops and persists, get medical attention.
Skin contact	IF ON SKIN: Remove clothing and wash thoroughly before use. Wash affected skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact	IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if eye irritation develops or persists.
Ingestion	IF SWALLOWED: Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Handling of this material may generate a dust which can cause mechanical irritation of the eyes, skin nose and throat. Repeated exposure may cause skin dryness or cracking. Repeated exposure to high dust concentrations may cause mild lung fibrosis.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None known

5.2 Special hazards arising from the substance or mixture

If permitted to accumulate, these fines or dust can, under certain conditions, pose an explosion hazard. Hazardous decomposition products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulphur oxides, A mixture of solid and liquid particulates and gases including unidentified organic and inorganic compounds. When heated, this material releases combustibles by devolatisation and pyrolysis. Most potential hazards are associated with an incorrect combustion process, which can then generate asphyxiating and toxic gases, including carbon monoxide (CO). Prolonged or excessive exposure to CO may lead to unconsciousness and even, in extreme cases, death.

5.3 Advice for firefighters

Spread the material in shallow layers and then saturate it with water. Close silos and bunkers airtight. Inertisation / suffocation with nitrogen or carbon dioxide is possible. Avoid dust generation. Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid release to the environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust generation. Ensure adequate ventilation. Do not breathe dust. In case of inadequate ventilation wear respiratory protection. Wear suitable protective clothing. Spillage can create tripping or slipping hazards for personnel, or skidding hazards for vehicles.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Vacuum spilled material. A vacuum equipped with HEPA (high efficiency particulate air) filtration is recommended, or sweep spilled substances into

		containers if appropriate moisten first to prevent dusting. Flush spill area with copious amounts of water. Use vacuum to remove dust directly during formation.
6.4	**Reference to other sections**	See Section: 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1	**Precautions for safe handling**	Ensure adequate ventilation. In case of inadequate ventilation wear respiratory protection. Wear suitable protective clothing. Avoid dust generation. Keep away from sources of ignition.
7.2	**Conditions for safe storage, including any incompatibilities**	Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Ensure adequate earthing.
	Storage temperature	Keep cool.
	Incompatible materials	Strong oxidising agents. Keep away from heat and sources of ignition.
7.3	**Specific end use(s)**	See Section: 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	**Control parameters**	
8.1.1	**Occupational exposure limits**	Not applicable
8.1.2	**Biological limit value**	Not established
8.1.3	**PNECs and DNELs**	Not established
8.2	**Exposure controls**	
8.2.1	**Appropriate engineering controls**	Ensure adequate ventilation. Avoid dust generation. Have available eyewash bottle with clean water.
8.2.2	**Individual protection measures, such as personal protective equipment**	Keep good industrial hygiene.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye/ face protection 	Wear eye protection with side protection (EN166).
Skin protection 	Wear impervious gloves (EN374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.
Respiratory protection 	In case of inadequate ventilation wear respiratory protection. A suitable dust mask or dust respirator with filter type P (EN143 or EN405) may be appropriate.
Thermal hazards	Not applicable
8.2.3 **Environmental exposure controls**	Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	**Information on basic physical and chemical properties**	
	Physical state	Solid
	Colour	Black

Odour	Odourless
Melting point/freezing point	Not applicable - Solid
Boiling point or initial boiling point and boiling range	Not applicable - Solid
Flammability	Non-flammable
Lower and upper explosion limit	Not established
Flash point	Non-flammable - Solid
Auto-ignition temperature	450 - 500 °C
Decomposition temperature	Not established
pH	Not applicable - Solid
Kinematic viscosity	Not established
Solubility	Insoluble in water
Partition coefficient: n-octanol/water (log value)	Not established
Vapour pressure	Not applicable - Solid
Density and/or relative density	850 – 950 kg/m³
Relative vapour density	Not applicable - Solid
Particle characteristics	Not established

9.2 Other information

Explosive properties: Spontaneous combustion with CO-formation possible.
Explosion limits of dust / air mixtures:
Lower limit: 60 g dust / m³
Upper limit: 2 g dust / m³

SECTION 10: STABILITY AND REACTIVITY

10.1	**Reactivity**	Stable under normal conditions
10.2	**Chemical stability**	Stable under normal conditions
10.3	**Possibility of hazardous reactions**	Finely dispersed particles form explosive mixtures with air. Combustible with strong oxidising agents.
10.4	**Conditions to avoid**	Keep away from heat and sources of ignition.
10.5	**Incompatible materials**	Keep away from: Strong oxidising agents
10.6	**Hazardous decomposition products**	Thermal oxidation / Combustion products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulphur oxides, A mixture of solid and liquid particulates and gases including unidentified organic and inorganic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Ingestion	Based upon the available data, the classification criteria are not met.
Acute toxicity - Inhalation	Based upon the available data, the classification criteria are not met.
Acute toxicity - Skin contact	Based upon the available data, the classification criteria are not met.
Skin corrosion/irritation	Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation	Based upon the available data, the classification criteria are not met.
Respiratory or skin sensitisation	Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity	Based upon the available data, the classification criteria are not met. There is no evidence of mutagenic potential. Contains: <0.005% benzo[a]-pyrene
Carcinogenicity	Based upon the available data, the classification criteria are not met. No evidence of carcinogenicity. Contains: <0.005% benzo[a]-pyrene
Reproductive toxicity	Based upon the available data, the classification criteria are not met. No evidence of reproductive effects.
STOT - Single Exposure	Based upon the available data, the classification criteria are not met.
STOT - Repeated Exposure	Based upon the available data, the classification criteria are not met.
Aspiration hazard	Based upon the available data, the classification criteria are not met.

11.2 Information on other hazards

11.2.1	Endocrine disrupting properties	This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.
11.2.2	Other information	None known

SECTION 12: ECOLOGICAL INFORMATION

12.1	**Toxicity**	Based upon the available data, the classification criteria are not met.
12.2	**Persistence and degradability**	No data available
12.3	**Bioaccumulative potential**	No data available
12.4	**Mobility in soil**	No data available
12.5	**Results of PBT and vPvB assessment**	Not classified as PBT or vPvB. None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.
12.6	**Endocrine disrupting properties**	This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.
12.7	**Other adverse effects**	None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	**Waste treatment methods**	Disposal should be in accordance with local, state or national legislation.
	Waste classification according to Directive 2008/98/EC (Waste Framework Directive)	Not applicable

SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

		ADR/RID	**IMDG**	**IATA/ICAO**
14.1	**UN number or ID number**	None assigned	None assigned	None assigned
14.2	**UN proper shipping name**	None assigned	None assigned	None assigned
14.3	**Transport hazard class(es)**	None assigned	None assigned	None assigned
14.4	**Packing group**	None assigned	None assigned	None assigned
14.5	**Environmental hazards**	Not classified	Not classified as a Marine Pollutant.	Not classified
14.6	**Special precautions for user**	See Section: 2		
14.7	**Maritime transport in bulk according to IMO instruments**	No information available.	No information available.	No information available.
14.8	**Additional information**	None known		

SECTION 15: REGULATORY INFORMATION

15.1	**Safety, health and environmental regulations/legislation specific for the substance or mixture**	
15.1.1	**EU regulations**	
	Authorisations and/or restrictions on use	Not restricted - Contains: <0.005% benzo[a]-pyrene
15.1.2	**National regulations**	
	Germany	Water hazard class: nwg
15.2	**Chemical Safety Assessment**	A chemical safety assessment is not required under REACH.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: New SDS Regulation 2020/878 format, all sections have been updated to include new information. Please review SDS with care.

References:
Existing Safety Data Sheet (SDS)

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

Legend

ADR	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL	Derived no effect level
EC	European Community
EU	European Union
HSE	Health and Safety Executive
IATA	IATA: International Air Transport Association
ICAO	ICAO: International Civil Aviation Organization
IMDG	IMDG: International Maritime Dangerous Goods
LTEL	Long term exposure limit
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	RID: Regulations concerning the international railway transport of dangerous goods
STEL	Short term exposure limit
UN	United Nations
vPvB	vPvB: very Persistent and very Bioaccumulative

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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Annex to the extended Safety Data Sheet (eSDS)

Not applicable