

Safety Data Sheet

According to SS586:2014

Kingsford Charcoal Briquets

Version 1.0

Issue date:10/10/2014

Revision date: 10/10/2014

SDS Record Number: CSSS-TCO-010-115564

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

Product identifier:

Identification on the label/Trade name: Kingsford Charcoal Briquets

Additional identification: Not available

Identification of the product: See section 3

Index Number: Not available

REACH registration No.: Not available

Relevant identified uses of the substance and uses advised against:

Identified uses:

Charcoal.

Uses advised against:

Not available.

Details of the supplier of the safety data sheet:

Supplier(Manufacturer): The Clorox Company

Address: 1221 Broadway Oakland, CA 94612 USA

Contact person(E-mail): -

Telephone: 1-510-271-7000

Fax: -

Emergency telephone Number:

For Medical Emergencies call: 1-800-446-1014

Transportation Emergencies, call Chemtrec: 1-800-424-9300

Available outside office hours? YES NO

Section 2 Hazards Identification

Classification of the substance/mixture:

GHS Classification	carcinogenicity	Category 1A
	Reproductive toxicity	Category 1B
	specific target organ toxicity after repeated exposure	Category 2

label elements:

Hazard Pictograms:



Signal Word(S):

Danger

Hazard Statement:

May cause cancer.

May damage fertility or the unborn child.

Precautionary statement:

May cause damage to organs.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapours/spray.
Use personal protective equipment as required.
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Store locked up.
Dispose of contents/container in according with local regulation.

Other hazards:

Not available.

Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Charcoal	N/A	16291-96-6	240-383-3	60 - 100 %
Ashes, residues	N/A	68131-74-8	268-627-4	30 - 60 %
Coal, anthracite	N/A	8029-10-5	-	15-40 %
Maize starch	N/A	9005-25-8	232-679-6	7-13 %
Limestone	N/A	1317-65-3	215-279-6	5-10%
Sodium nitrate	N/A	7631-99-4	231-554-3	1-5 %
Boric acid, sodium salt pentahydrate	N/A	11130-12-4	-	0.1-1 %

Section 4 First aid measures**Description of first aid measures:**

In all cases of doubt, or when symptoms persist, seek medical attention.

In case of inhalation:

Move to fresh air. If symptoms persist, call a physician.

In case of skin contact:

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

In case of eyes contact:

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In case of ingestion:

Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed:

May cause cancer. May damage fertility or the unborn child. May cause damage to organs.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

Section 5 Fire-Fighting measures

Extinguishing media:

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:

Use of water spray when fighting fire may be inefficient.

Special hazards arising from the substance or mixture

Avoid dust formation. Fine dust dispersed in air may ignite. In case of fire, carbon oxides can be released.

Special fire fighting methods and special protective actions for fire-fighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Avoid contact with eyes. Ensure adequate ventilation. Use personal protective equipment. Evacuate personnel to safe areas. Avoid dust formation. Do not breathe dust.

For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

Environmental Precautions:

Do not allow material to contaminate ground water system. Prevent product from entering drains.

Methods for Containment and Cleaning up:

Prevent further leakage or spillage if safe to do so. Collect and transfer to properly labeled containers.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Additional information:

Not applicable.

Section 7 Handling and storage

Precautions for safe handling:

Protective measures:

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothing.

Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities:

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Specific end use(s):

Not applicable.

Section 8 Exposure Controls/Personal Protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US ACGIH Threshold Limit Values (TLV)	starch	Starch	10 mg/m3	Not Available	Not Available	TLV® Basis: Dermatitis

EMERGENCY LIMITS:

Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
Singapore	Not Available	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
Charcoal	Not Available	Not Available
Ashes, residues	Not Available	Not Available
Coal, anthracite	Not Available	Not Available
Maize starch	Not Available	Not Available
Limestone	Not Available	Not Available
Sodium nitrate	Not Available	Not Available
Boric acid, sodium salt pentahydrate	Not Available	Not Available

Exposure controls:

Appropriate engineering controls: Exhaust ventilation should be designed to prevent accumulation and recirculation in the workplace and safely remove carbon black from the air.

Individual protection measures, such as personal protective equipment:

Eye/face protection: No special protective equipment required.

Hand protection: Wear protective gloves.

Body protection: Wear protective gloves/clothing.

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Thermal hazards: Wear suitable protective clothing to prevent heat.

Environmental exposure controls: According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

Information on basic physical and chemical properties:

Appearance:	Solid
Colour:	Black
Odour:	Not available
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	Not available
Boiling point/range (°C):	Not available
Flash point (°C):	Not available
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C):	Not available

Vapour density:	Not available
Density:	Not available
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Negligible
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available
Other information:	
Fat solubility(solvent– oil to be specified)	Not available
etc:	
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

Reactivity:	The substance is stable under normal storage and handling conditions.
Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	Excessive heat. Heating in air. Dust formation.
Incompatible materials:	Not available.
Hazardous decomposition products:	Carbon oxides.

Section 11 Toxicological information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

Information on toxicological effects:

Acute toxicity:

Ashes, residues (CAS# 68131-74-8)

LD50(Oral, Rat): > 2000 mg/kg

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): Not available

Sodium nitrate (CAS# 7631-99-4)

LD50(Oral, Rat): > 2000 mg/kg

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): Not available

Boric acid, sodium salt pentahydrate (CAS# 11130-12-4)

LD50(Oral, Rat):	2403 mg/kg
LD50(Dermal, Rabbit):	Not available
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	May cause cancer.
Reproductive toxicity:	May damage fertility or the unborn child.
STOT- single exposure:	Not classified
STOT-repeated exposure:	May cause damage to organs.

Section 12 Ecological information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.
Results of PBT&vPvB assessment:	Not available.
Other adverse effects:	Very toxic to aquatic life with long lasting effects.

Section 13 Disposal considerations

Waste treatment methods:	The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.
Product / Packaging disposal:	If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulate	Not regulate	Not regulate
UN Proper shipping name	Not regulate	Not regulate	Not regulate
Transport hazard Class	Not regulate	Not regulate	Not regulate
Packaging group	Not regulate	Not regulate	Not regulate
Environmental hazards	Not regulate	Not regulate	Not regulate
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and	Not regulated	Not regulated	Not regulated

the IBC Code			
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Section 15 Regulation information

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

Charcoal	"Singapore Permissible Exposure Limits of Toxic Substances","International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs","International Air Transport Association (IATA) Dangerous Goods Regulations - Prohibited List Passenger and Cargo Aircraft".
Ashes, residues	"International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs".
Coal, anthracite	"Singapore Permissible Exposure Limits of Toxic Substances","International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs".
Maize starch	"Singapore Permissible Exposure Limits of Toxic Substances".
Limestone	"Singapore Permissible Exposure Limits of Toxic Substances".
Sodium nitrate	Not available.
Boric acid, sodium salt pentahydrate	"Singapore Permissible Exposure Limits of Toxic Substances".

Section 16 Other information

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Author: Hangzhou CIRS Co., Limited **Website:** www.cirs-group.com **Tel:** 0571-87206555 **Email:** info@cirs-group.com