



1. Identification of the Product and Supplier

Product name: **BOCAREPS™ BC-96**

REACH registration number: 01-2119497788-10-0013

Application of the product: Refractories

Address/Phone No.: **Elkem ASA**, Elkem Processing Services SA
Rue de la Bureautique 2 – 4
4460 Grâce-Hollogne Belgium
Telephone : +32/4.239.07.46
<https://www.elkem.com/silicon-products/support.siliconproducts@elkem.com>

Contact: <https://www.elkem.com/silicon-products/support.siliconproducts@elkem.com>

REACH and CLP helpdesk: REACH and CLP website:
<https://echa.europa.eu/support/helpdesks/>

Emergency Phone No.: not applicable for non-hazardous substances.

2. Hazards Identification

Classification The product does not meet the criteria for hazard classification in accordance with Regulation (EC) No1272/2008 (CLP) and the UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS, 10th rev.).

Hazard pictogram: N/A (not applicable)
Signal word: N/A (not applicable)
H-phrases: N/A (not applicable)
P-phrases: N/A (not applicable)

Not classified as PBT/vPvB by current EU criteria.

3. Composition/Information on Ingredients

Chemical name	CAS No.	EC No.	% w/w
Boron carbide (B4C)	12069-32-8	235-111-5	Min. 89%

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4. First Aid Measures

Inhalation: Irritation caused by dust: Fresh air.
Skin contact: Wash skin with water and/or a mild detergent.
Eye contact: Rinse eyes with water/saline solution. See a physician on persistent feeling of discomfort.
Ingestion: Remove the person affected from dust-exposed area. See inhalation.

5. Fire Fighting Measures

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

6. Accidental Release Measures

Avoid handling that generates dust build-up. Dampen spillage with water. Collect spillage with shovel, broom or the like. Avoid release to the environment.

7. Handling and Storage

Handling: Avoid handling that generates dust build-up. (See section 8).
Storage: Store in closed original container in a dry place.

8. Exposure Controls/Personal Protection

A. Occupational exposure controls

Eye protection, eye flushing facilities and protective gloves. Ensure good ventilation. Use respiratory equipment with particle filter type P2 in areas of inadequate ventilation.



Occupational Exposure Limits (ACGIH¹⁾, 2016):

Substance	[CAS No.]	8hr TWA		ACGIH TLV 15 minute STEL		Notations
		ppm	mg/m ³	ppm	mg/m ³	
PNOS ²⁾	-	-	10 ⁽¹⁾ /3 ^(R)	-	-	-

¹⁾ American Conference of Governmental Industrial Hygienists

²⁾ Particulates (Insoluble or Poorly Soluble) Not Otherwise Specified.

^(R) Respirable fraction

National exposure limit values must be taken into consideration.

B. Environmental exposure controls

See Section 6, 7 and 12.

Target value and limit value for PM₁₀ and PM_{2.5} (Directive 2008/50/EC):

	Averaging period	Limit value
PM ₁₀	One day	50 µg/m ³ ★
PM ₁₀	Calendar year	25 µg/m ³
PM _{2.5}	Calendar year	15 µg/m ³

★Not to be exceeded more than 30 times a calendar year.

9. Physical and Chemical Properties

Appearance/ Odor:	Black solid or powder/odorless
Melting point:	Not Applicable
Boiling point:	Not Applicable
Specific gravity (H ₂ O = 1):	2.51
Evaporation rate:	None
Solubility in Water:	Insoluble
Solubility in Alcohol:	Insoluble
pH (10 % slurry):	Not Applicable

10. Stability and Reactivity

Stability:	Stable under normal ambient conditions of temperatures and pressure.
Reactivity/ Incompatibility:	Oxidizing acids (HNO ₃ , H ₂ SO ₄ , HClO ₄).
Hazardous Decomposition:	Boron Oxide.
Hazardous Polymerization:	Will not occur.

11. Toxicological Information

The product does not meet the criteria for hazard classification in accordance with Regulation (EC) No1272/2008 (CLP) and the UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS, 10th rev.).

Acute effects:

Inhalation:	Dust may irritate and dehydrate mucous membranes.
Skin contact:	Dust may irritate and dehydrate skin.
Eye contact:	Dust may irritate and lead to dryness.
Ingestion:	Dust may irritate and dehydrate mucous membranes.

Chronic effects: No chronic effects known.

The product is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU)2017/2100 or Commission Regulation (EU)2018/605.

12. Ecological Information

The product is not characterised as dangerous for the environment.

MOBILITY:	The product has poor mobility under normal environmental conditions.
PERSISTENCE:	Not relevant for metalloids.
BIOACCUMULATION:	Not relevant, due to low mobility and non-dispersive use.
ECO-TOXICITY:	The product does not meet the classification criteria for eco-toxicological endpoints in accordance with Regulation (EC) 1272/2008 (CLP) and the UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS), 10 th revision.

This product does not contain any PBT or vPvB substances.

The product is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU)2017/2100 or Commission Regulation (EU)2018/605.

13. Disposal Considerations

The material should be recovered for recycling if possible.

The product is not regulated as hazardous waste according to Directive 2001/118/EEC, nor is it listed on EU's list of wastes (2000/532/EC).

Dispose of waste and residues in accordance with local authority requirements.

14. Transport Information

UN no.	None.
IMDG-Code:	Not subject to classification.
ICAO/IATA:	Not subject to classification.
ADR/RID:	Not subject to classification.

15. Regulatory Information

The text of this Product Safety Information is prepared in compliance with:

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and subsequent amendments.
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS, 10th rev.).

16. Other Information

According to Chapter 1.5.2 of the UN Globally Harmonized System of classification and labelling of chemicals (GHS), Article 58 (2)(a), and Article 59(2)(b) of (EC) No 1272/2008 (CLP), which amends REACH article 31(1), safety data sheets (SDS) are only required for substances and mixtures that meet the harmonized criteria for physical, health or environmental hazards. Since this product does not meet these criteria, a SDS according to (EU) 2020/878 is not issued. In order to communicate relevant HSE-(health, safety and environmental) information, this product safety information (PSI) is provided instead.

REACH article 31(7) requires relevant exposure scenarios from the Chemical Safety Report (CSR) to be annexed to the SDS. However, according to REACH Annex I, section 0. (Introduction), subsection 0.6. no 4 and 5, exposure scenarios are only required for hazard-classified substances or mixtures. Since this product is not hazard-classified according to CLP, there is no requirement for exposure scenarios.

In accordance with REACH article 31(5), safety data sheets shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market. This obligation, however, only applies for hazard-classified products which require a formal SDS. Since this product is not hazard-classified, the product safety information (PSI) is, in accordance with current regulation, provided in English language only.

Indication of changes:

Rev 01: Product name updated, reference to GHS 10th rev.