

Safety Data Sheet

According to Regulation (EC) No 1907/2006

BC90

Version 1.0

Issue date: 02/12/2015

Revision date: 02/12/2015

SDS Record Number: CSSS-TCO-010-118770

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

1.1 Product identifier:

Identification on the label/Trade name: BC90
Additional identification: Not available
Identification of the product: See section 3
Index Number: Not available
REACH registration No.: Not available

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Extinguishing.

1.2.2 Uses advised against:

Not available

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): -
Supplier(Manufacturer): SUZHOU WUYUE SYNTHETIC FIRE SCI-TECH CO., LTD.
Address: No.10 Kangjian Road Mudu Town, Suzhou City, Jiangsu, P.R. China
Contact person(E-mail): sales@wuyuexf.com
Telephone: +86-512-66383915
Fax: +86-512-66262360

1.4 Emergency telephone Number:

+86-18913552220

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
N/A	N/A

For full text of H- phrases: see section 2.2.

2.2 label elements:

Hazard Pictograms: No hazard pictogram is used.
Signal Word(S): No signal word is used.
Hazard Statement: Not applicable.
Precautionary statement: Not applicable.

2.3 Other hazards:

Not available.

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Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	Registrati on No.	CAS No.	EC No.	Concentration	classifications
sodium hydrogencarbonate	N/A	144-55-8	205-633-8	>90%	Not Classified
Mica	N/A	12001-26-2	N/A	<5%	Not Classified
Methyl H polysiloxane	N/A	63148-57-2	N/A	<1%	Not available

<1percent of the mixture consists of component (s) of unknown toxicity.

Section 4 First aid measures

4.1 Description of first aid measures:

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

4.1.1 In case of inhalation:

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

4.1.2 In case of skin contact:

Wash off with soap and water.

4.1.3 In case of eyes contact:

Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

4.1.4 In case of ingestion:

Rinse mouth with water. If symptoms persist, call a physician or Poison Control Centre immediately.

4.2 Most important symptoms and effects, both acute and delayed:

The product is not classified as harmful to human health effect.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Not available.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon.

5.3 Advice for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Provide adequate ventilation. Avoid dust formation. Refer to section 8 of SDS for personal protection details.

6.1.2 For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if dust is generated. Sweep up to prevent slipping hazard.

- 6.2 Environmental Precautions:** Do not flush into surface water or sanitary sewer system. Prevent any mixture with an acid into the sewer/drain (gas formations).
- 6.3 Methods for Containment and Cleaning up:** Sweep up and shovel into suitable containers for disposal. Keep in properly labelled containers. Keep in suitable, closed containers for disposal.
- 6.4 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.

Section 7 Handling and storage

- 7.1 Precautions for safe handling:**
- 7.1.1 Protective measures:** Ensure adequate ventilation. Keep away from Incompatible products.
- 7.1.2 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.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store in original container. Keep in a dry place. Keep in properly labeled containers. Keep container closed. Keep away from Incompatible products.
- 7.3 Specific end use(s):** Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Substance	EINECS No.	CAS No.	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		
			ppm	mg/ m3	ppm	mg/ m3	Notes
Mica total inhalable dust respirable dust	-	12001-26-2	- -	10 0.8	- -	- -	- -

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Provide appropriate exhaust ventilation at places where dust is formed. Apply technical measures to comply with the occupational exposure limits.

8.2.2 Individual protection measures, such as personal protective equipment:

- Eye/face protection:** Goggles.
- Hand protection:** Wear suitable gloves.
- Body protection:** No special protective equipment required.
- Respiratory protection:** Use only respiratory protection that conforms to international/ national standards.
Respirator with a vapor filter (EN 141). Recommended Filter type: P2
- Thermal hazards:** Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment.
According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

- Appearance:** Powder
- Colour:** Blue
- Odour:** odorless
- Odour threshold:** Not available

pH:	Not available
Melting point/range (°C):	> 500 °C (CAS#144-55-8)
Boiling point/range (°C):	Not available
Flash point (°C):	Not available
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not flammable
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C):	66.9 Pa (CAS#144-55-8)
Vapour density:	Not available
Relative density:	>= 2.21 <= 2.23 (CAS#144-55-8)
Bulk density (kg/m³):	Not available
Water solubility (g/l):	93.4 g/L (CAS#144-55-8)
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	165 °C (CAS#144-55-8)
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available
9.2. 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

10.1 Reactivity:	Incompatible with acids. Decomposes slowly on exposure to water.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials. Exposure to moisture. To avoid thermal decomposition, do not overheat.
10.5 Incompatible materials:	Acids.
10.6 Hazardous decomposition products:	Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon.

Section 11 Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

sodium hydrogencarbonate (CAS#144-55-8)

LD50(Oral, Rat):	> 4000 mg/kg bw
LD50(Dermal, Rabbit):	Not available.
LC50(Inhalation, Rat):	> 4.74 mg/L air 4.5h
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

Section 12 Ecological information

12.1 Toxicity:

sodium hydrogencarbonate (CAS#144-55-8)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	7100 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	4100 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulative potential: Not available.

12.4 Mobility in soil: Not available.

12.5 Results of PBT&vPvB assessment: Not available.

12.6 Other adverse effects: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods: The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
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 and the IBC Code	Not regulated	Not regulated	Not regulated

Section 15 Regulation information

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

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations: Not applicable

15.2 Chemical Safety Assessment has been carried out? YES

NO

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2015/830

16.2 Training instructions:

Not applicable.

16.3 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.

16.4 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.

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