

SAFETY DATA SHEET

SXDBK012

Issue date 31st May, 2022
Revision 3

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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

1.1 Product identifier

Product Name SXDBK012
Trade Name SXDBK012
Product code SXDBK012

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

Identified Use(s) High density additive, metal/X-ray detectable additive
Uses Advised Against Do not use for private purposes (household).

1.3 Details of the supplier of the safety data sheet

Supplier:

Company Identification Radical Materials Ltd.

Address of Supplier Unit 10 Rassau Industrial Estate,
Ebbw Vale,
Blaenau Gwent,
Wales,
United Kingdom

Postal code NP23 5SD
Telephone: +44 (0)1495 211 400
E-mail info@radicalmaterials.com

1.4 Emergency telephone number

Emergency Phone No. England, Wales, Scotland: Dial 111
Northern Ireland: Contact local GP or Pharmacist
Republic of Ireland: 01 809 2166

RADICAL MATERIALS LTD

UNIT 10 RASSAU INDUSTRIAL ESTATE, EBBW VALE, GWENT, NP23 5SD, UNITED KINGDOM

T: +44 (0) 1495 211400

E: info@radicalmaterials.com

Company Reg.: 04996264

Contact

National Poisons Information Services:

<http://www.npis.org/>

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)

This product has no classification under CLP

2.2 Label elements

This product has no label elements

2.3 Other hazards

This product is not identified as a PBT/vPvB substance

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS No.	EC No. REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
N/A					

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical treatment when anyone has symptoms apparently due to inhalation.

Skin Contact

Wash skin with soap and water. Do not use organic solvents. Seek medical attention if irritation persists.

Eye Contact

Remove any contact lenses. Flush eyes with water for at least 15 minutes. Irrigate eyes thoroughly whilst lifting eyelids. Seek medical advice.

Ingestion

Wash out mouth with water. Give plenty of water to drink. If vomiting occurs turn patient on side. Seek medical treatment.

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4.2 Most important symptoms and effects, both acute and delayed

There may be mild irritation and/or redness

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

Product is not flammable. Use fire extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

None under normal conditions.

5.3 Advice for fire-fighters

No specific procedures given.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Refer to section 8 for personal protection details.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.
Prevent entry into drains.

6.3 Methods and material for containment and cleaning up

Sweep up spilled substance and remove to safe place.
Use vacuum equipment for collecting spilt materials, where practicable. Collect as much as possible in clean container for reuse or disposal. Dispose of this material and its container to hazardous or special waste collection point. Avoid raising dust.

6.4 Reference to other sections

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See also Section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle and open container with care. Avoid raising dust. Do not breathe dust.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature

Room temperature 5-20°C

Storage life

Stable under normal conditions. Keep away from direct sunlight. Store in a dry place. Store in a closed container.

Incompatible materials

Keep away from strong acids or strong oxidizers and reducers, open flames, hot surfaces or sources of ignition

7.3 Specific end use(s)

Additive

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits

WEL (UK)

TWA – 8hrs: 4mg/m³

STEL – 15mins: 10mg/m³

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation.

Personal protection equipment

Wear gloves, eye protection and an approved dust mask if dust is generated during handling.



Eye Protection

Wear eye protection with side protection (EN166).

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Skin protection

Recommended



Respiratory protection

NIOSH approved, recommended

Thermal hazards

None known.

Environmental Exposure Controls

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid powder Colour: Black
Odour	None
Odour threshold	Not applicable
pH	Not known.
Melting point/freezing point	Not known
Initial boiling point and boiling range	No data available
Flash Point	No data available
Evaporation rate	Not known.
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	No data available
Relative density	Not known
Solubility(ies)	Solubility (Water) : Insoluble Solubility (Other) : No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	No data available
Viscosity	Not known.

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Explosive properties
Oxidising properties

No data available
Non oxidising (by EC criteria)

9.2 Other information

No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable under recommended transport or storage conditions

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

May react explosively when heated with strong reducing agents such as powdered aluminium, phosphorus, potassium metal etc.

Conditions to avoid

Avoid generating dust, fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. Electrostatic charge.

Incompatible materials

Avoid contact with acids and alkalis. Avoid contact with oxidising substances and strong reducing agents.

Hazardous decomposition product(s)

None under normal circumstances.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicity values

This substance has no evidence of carcinogenic properties.

Symptoms/routes of exposure

Skin contact

There may be mild irritation at the site of contact

Eye contact

There may be irritation and redness

Ingestion

There may be irritation of the throat

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Inhalation There may be irritation of the throat with a feeling of tightness in the chest

SECTION 12: ECOLOGICAL INFORMATION

12.1 Acute fish toxicity Not considered toxic to fish

12.2. Persistence and Degradation Not readily biodegradable

12.3. Bioaccumulative potential Not bioaccumulating

12.4. Mobility in soil Not relevant due to the form of the product

12.5. Results of PBT and vPvB assessment This product is not identified as a PBT/vPvB substance

12.6 Other adverse effects None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Transfer to a suitable container and arrange for collection by a specialised disposal company. Dispose of as normal industrial waste.

13.2 Additional Information Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport

SECTION 15: REGULATORY INFORMATION

Chemical Safety Assessment Not carried out

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SECTION 16: OTHER INFORMATION

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