

Safety Data Sheet

Section 1: Identification of the substance or mixture and of the supplier

Product Identifier

Lead Free Shields XRC121-KBK

Other means of identification

Alternate trade name R-121

Recommended use

Rubber sheet material

Restrictions on use

No applicable information available.

Supplier's details

Lead Free Shields
4747 Research Forest Dr Ste 180 #139
The Woodlands, TX 77381
(832) 519-8787
sales@leadfreeshields.com

Emergency phone number

(832) 519-8787

Section 2: Hazard identification

Classification of the substance or mixture

No applicable information available.

Label elements, including precautionary statements

No applicable information available.

Other hazards which do not result in the classification

No applicable information available.

Section 3: Composition / information on ingredients

Substance

No applicable information available.

Mixture

Chemical identity

No applicable information available.

Common name

No applicable information available.

CAS number

No applicable information available.

Impurities and stabilizing additives which are themselves classified and which contribute to the classification of a substance.

No applicable information available.

Section 4: First aid measures**Description of necessary measures****Inhalation**

Typically no exposure pathway.

Skin contact

Wash thoroughly with soap and water.

Eye contact

Flush thoroughly with water. Seek medical help if necessary.

Ingestion

Get medical attention.

Most important symptoms/effects, acute and delayed

No applicable information available.

Indication of immediate medical attention and special treatment needed, if necessary

No applicable information available.

Section 5: Fire-fighting measures**Suitable extinguishing media**

Carbon dioxide, dry chemicals or foam

Unsuitable extinguishing media

No applicable information available.

Specific hazards arising from the chemical

Combustion may create toxic gases.

Special protective equipment and precautions for fire-fighters

Use a respirator.

Use full protection if necessary.

Section 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

No applicable information available.

Environmental precautions

No applicable information available.

Methods and materials for containment and cleaning up

Pick up mechanically.

Section 7: Handling and storage**Precautions for safe handling**

Latex (or equivalent) gloves may be worn. Wash hands after handling.

Do not permit eating, drinking, smoking, or use of cosmetics while handling the material.

Use safety shoes and long-sleeved protective working garments if applicable.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Conditions for safe storage, including any incompatibilities

Store in a clean, dry location at room temperature.

Section 8: Exposure controls / personal protection**Control parameters e.g. occupational exposure limit values or biological limit values**

Materials are integrated into the product and should not lead to exposure under normal handling conditions.

Chemical name: Carbon Black

Workplace Exposure Limit - Long-term exposure limit (8-hour time weighted average): 3.5 mg/m³

Workplace Exposure Limit - Short-term exposure limit (15-minute reference period): 7 mg/m³

Appropriate engineering controls

No applicable information available.

Individual protection measures, such as personal protective equipment

Latex (or equivalent) gloves may be worn. Wash hands after handling.

Do not permit eating, drinking, smoking, or use of cosmetics while handling the material.

Use safety shoes and long-sleeved protective working garments if applicable.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Section 9: Physical and chemical properties

Physical state

Solid

Color

Black, grey/brown

Odor

Odorless

Odor threshold

No applicable information available.

pH

No applicable information available.

Melting point/freezing point

No applicable information available.

Initial boiling point and boiling range

No applicable information available.

Flash point

No applicable information available.

Evaporation rate

No applicable information available.

Flammability

No applicable information available.

Upper/lower flammability or explosive limits

No applicable information available.

Vapor pressure

No applicable information available.

Vapor density

No applicable information available.

Relative density

3,858 g/cm³

Solubility

Insoluble in water

Partition coefficient: n-octanol/water

No applicable information available.

Auto-ignition temperature

No applicable information available.

Decomposition temperature

No applicable information available.

Viscosity

No applicable information available.

Section 10: Stability and reactivity

Reactivity

Nonreactive

Chemical stability

Stable with proper storage and handling

Possibility of hazardous reactions

No applicable information available.

Conditions to avoid

Extreme heat

Incompatible materials

No applicable information available.

Hazardous decomposition products

No decomposition when used as directed.

Section 11: Toxicological information

Concise but complete and comprehensible description of the various toxicological effects and the available data used to identify those effects

Information on the likely routes of exposure

Inhalation

Typically no exposure pathway.

Skin contact

Should not lead to exposure under normal handling conditions.

Eye contact

Should not lead to exposure under normal handling conditions.

Ingestion

Accidental ingestion should not lead to significant exposure.

Symptoms related to the physical, chemical and toxicological characteristics

No applicable information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

No applicable information available.

Numerical measures of toxicity

Lead Free Shields XRC121-KBK						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route						No applicable information available.
Acute toxicity, by dermal route						No applicable information available.
Acute toxicity, by inhalation						No applicable information available.
Skin corrosion/irritation						No applicable information available.
Serious eye damage/irritation						No applicable information available.
Respiratory or skin Sensitization						No applicable information available.
Germ cell mutagenicity						No applicable information available.
Carcinogenicity						No applicable information available.
Reproductive toxicity						No applicable information available.
Specific target organ toxicity - single exposure (STOT-SE)						No applicable information available.
Specific target organ toxicity - repeated exposure (STOT- E)						No applicable information available.
Aspiration hazard						No applicable information available.
Symptoms						No applicable information available.

Carbon black						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route	LD50	>2000	mg/kg	Rat		
Acute toxicity, by dermal route	LD50	>3000	mg/kg			
Skin corrosion/irritation				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation				Rabbit		Not irritant
Respiratory or skin sensitization						Not sensitizing

Section 12: Ecological information

Ecotoxicity

Lead Free Shields XRC121-KBK							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish							No applicable information available.
Toxicity to daphnia							No applicable information available.
Toxicity to algae							No applicable information available.

Persistence and degradability							No applicable information available.
Bioaccumulative potential							No applicable information available.
Mobility in soil							No applicable information available.
Results of PBT and vPvB assessment							No applicable information available.
Other adverse effects							No applicable information available.

Carbon black							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	>1000	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
Toxicity to daphnia:	EC50	24h	>5600	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilization Test)	
Toxicity to algae:	EC50	72h	>10000	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
Bioaccumulative potential:							Not to be expected

Persistence and degradability

No applicable information available.

Bioaccumulative potential

Not bioaccumulative

Mobility in the soil

No applicable information available.

Other adverse effects

No applicable information available.

Section 13: Disposal information

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.

Waste product and packaging should be disposed of at suitable refuse site in accordance with local and national regulations.

Section 14: Transport information
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UN number

No applicable information available.

UN proper shipping name

No applicable information available.

Transport hazard class

No applicable information available.

Packing group, if applicable

No applicable information available.

Environmental hazards

No applicable information available.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

Non-dangerous material according to transport regulations

Special precautions which a user needs to be aware of, or needs to comply with, in connection with the transport or conveyance within or outside their premises

No applicable information available.

Section 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

No applicable information available.

Section 16: Other information including information on preparation and revision of the SDS

Preparation Date

4/28/2016

Revision Date

4/28/2016

Disclaimer

The information in this Safety Data Sheet is believed to be correct as of the date of its publication. The information is designed only as guidance for safe practices and is not to be considered a warranty or quality specification.