

# SAFETY DATA SHEET

## Nitrile Crumb

Date: 06/2019

Page 1 of 5

### SECTION 1 IDENTIFICATION OF SUBSTANCE

**1.1 Product Identifier:**

Identification on the label/ Trade name: Nitrile Crumb

**1.2 Relevant Identified uses of the substance and uses advised against:**

**1.2.1 Identified uses:**

Recycled filler and cost reducer for rubber compounding

**1.2.2 Uses advised against:**

Not available

**1.3 Details of the Supplier of the material safety data sheet:**

J. Allcock & Sons Ltd.,  
Textile Street,  
West Gorton,  
Manchester,  
M12 5DL.

Email: ja@allcocks.co.uk  
Tel: +44 (0)161 223 7181  
Fax: +44 (0)161 223 0173

**1.4 Emergency telephone number:**

+44 (0)161 223 7181

### SECTION 2 HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture:**

**2.1.1 Classification:**

The substance is classified as non-hazardous according to chemical regulations.

**2.1.2 The most important adverse effects:**

**2.1.2.1 The most important adverse physiochemical effects:**

Not applicable

**2.1.2.2 The most important adverse human health effects:**

May be irritating to the eye as dust

**2.1.2.3 the most important adverse environmental effects:**

No applicable

**2.2 Label Elements:**

**Hazard Pictograms:**

Not Applicable

**Signal Word(s):**

Not Applicable

**Hazard Statement:**

Not applicable

**Precautionary statement:**

Not Applicable

**2.3 Other hazards**

Do not breathe in the products of combustion.

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

**3.1 Substance/Mixture:**

The product in question is ground, fine particle, vulcanised Nitrile rubber. It has been recycled from an article.

**3.2 Ingredients:**

Nitrile Crumb is an encapsulated blend of all the materials contained in Nitrile rubber.

### SECTION 4 FIRST-AID MEASURES

**4.1 Description of first aid measures:**

**4.1.1 In case of inhalation:**

Remove the effected person to the fresh air. If recovery is not rapid obtain medical attention.

**4.1.2 In case of skin contact:**

Wash the effected parts with soap and water. No emergency measures are necessary but if adverse skin effects follow, refer for medical attention.

**4.1.3 In case of eyes contact:**

Flush eyes immediately with clean, fresh water for a minimum of 15 minutes, holding the eyelids open. No emergency measures are necessary but if adverse eye effects follow, refer for medical attention.

**4.1.4 In case of ingestion:**

Do not induce vomiting. No emergency measures are necessary but if adverse health effects follow, refer for medical attention.

**4.2 Most important symptoms and effect, both acute and delayed:**

Symptoms of accidental exposure would be non-specific, non toxic and similar to those of any major dust inhalation – coughing, expectoration, sneezing and difficulty in breathing due to upper respiratory tract irritation.

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

No specific requirement.

# SAFETY DATA SHEET

## Nitrile Crumb

Date: 06/2019

Page 2 of 5

### SECTION 5 FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media:

- 5.1.1 Suitable extinguishing media:  
Foam carbon dioxide, dry chemical, water mist.
- 5.1.2 Unsuitable extinguishing media:  
All extinguishing media can be used.

#### 5.2 Specific Hazards arising from the substance or mixture:

Flammability hazard when exposed to heat and flame. Avoid inhalation of fume and smoke.

#### 5.3 Advice for fire-fighters:

Use self contained breathing apparatus when fighting fires in confined spaces.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures:

- 6.1.1 For non-emergency personnel:  
Avoid sources of ignition and ventilate the area. Exclude all non-essential personnel. Avoid breathing the dust / or smoke.
- 6.1.2 For emergency responders:  
No hazardous reactions – behave as for burning oil smoke.  
Inhalable dust 10mg/m<sup>3</sup> (8hr TWA – OES) Respirable dust 5mg/m<sup>3</sup> (8hr TWA – OES).  
Use suitable respiratory protection.

#### 6.2 Environmental precautions:

Not established

#### 6.3 Methods of containment and cleaning up:

Avoid dry brushing as dust clouds and / or static can be created

#### 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:

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or OEL's. Avoid inhalation of the dust. Good housekeeping standards and regular safe removal of waste materials will minimise risks of spontaneous combustion and other fire hazards.  
Use normal hand and eye protection.

#### 7.2 Conditions for safe storage, including any incompatibilities:

Store in a dry place and avoid sources of heat, ignition, and strong oxidising agents. Smoking, eating and drinking should be prohibited in areas of storage and use.

#### 7.3 Specific end use(s):

**Risk Management Methods (RMM):** This information required is located in this safety data sheet.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters:

To date, no national critical values exist.

# SAFETY DATA SHEET

## Nitrile Crumb

Date: 06/2019

Page 3 of 5

### 8.2 Exposure controls:

#### 8.2.1 Appropriate engineering controls:

No special technical protective measures are necessary.

#### 8.2.2 Occupational Exposure Limits:

Inhalable dust: 10mg/m<sup>3</sup> (8hr TWA – OES)

Respirable dust: 5mg/m<sup>3</sup> (8hr TWA – OES)

#### 8.2.1 Appropriate engineering controls:

No special technical protective measures are necessary

#### 8.2.2 Individual protection measures:

##### Eye/face protection:

Wear safety glasses with side shields where there is a risk of dust generation that could lead to mechanical irritation of the eyes

##### Hand protection:

Protective gloves are not necessary, but recommended

##### Body protection:

No specifics, use normal overalls

##### Respiratory protection:

Wear suitable face mask

#### 8.2.3 Environmental exposure controls:

Avoid wind / airborne dispersal

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

Appearance:		Black, particulate solid
Physical state:		Fine particles, granules, which may agglomerate slightly
Colour:		Black
Odour:		Almost odourless (rubbery)
pH:		Not applicable.
Melting point/range (°C):		Not applicable.
Boiling point/range (°C):		Not applicable.
Flash point (°C):		Not applicable.
Evaporation rate:		Not applicable.
Flammability (solid,gas):		Not easy to ignite.
Upper/lower flammability/explosive limits:		Not applicable.
Vapour pressure:	@ 20°C	Not applicable.
Vapour density: Relative		Not applicable.
Density (g cm <sup>-3</sup> ):	@ 25°C	1.10 upwards
Solubility:		Insoluble in Water.
Auto-ignition temperature (°C):		Approx. 500°C
Decomposition temperature		Approx. 500°C
(°C): Viscosity (mm <sup>2</sup> s <sup>-1</sup> , cSt):	@ 25°C	Not applicable.

### 9.2 Physical hazards:

None other than weight of package.

## SECTION 10 STABILITY AND REACTIVITY

### 10.1 Reactivity:

Inert.

### 10.2 Chemical stability:

Chemically stable.

### 10.3 Possibility of hazardous reactions:

Avoid strong oxidising agents.

### 10.4 Conditions to avoid:

Fire.

### 10.5 Incompatible materials:

Strong oxidising agents.

### 10.6 Hazardous decomposition products:

In fire or at elevated temperatures, butadiene and acrylonitrile, and their by-products, may be produced.

## SECTION 11 TOXICOLOGICAL INFORMATION

### 11.1 Toxicokinetics, metabolism and distribution:

# SAFETY DATA SHEET

## Nitrile Crumb

Date: 06/2019

Page 4 of 5

No information available.

### 11.2 Information on toxicological effects:

Acute toxicity:

LD50 (Oral): No information available.

LD50 (Dermal): No information available.

Skin corrosion/irritation:

May cause mild irritation only

Serious eye damage/irritation:

May cause mild irritation only

Respiratory or skin sensitization:

May cause mild irritation. Unlikely to cause systemic health effects

Germ cell mutagenicity:

No information available.

Carcinogenicity:

No information available.

Reproductive toxicity:

No information available.

STOT- single exposure:

No information available.

STOT- repeated exposure:

No information available.

Aspiration hazard:

May cause mild irritation only

## SECTION 12 ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity:

Not expected to be dangerous to the environment

### 12.2 Persistence and degradability:

Not readily biodegradable

### 12.3 Bioaccumulative potential:

Not relevant

### 12.4 Mobility in soil:

Negligible

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.5 Other adverse effects:

No specific adverse effects known.

## SECTION 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

Transport to authorised waste location, or incinerate under controlled conditions (EU Directive 2000/76/EC and 1999/31 EC apply).

### 13.2 Product/ Packaging disposal:

Recycling and disposal should be carried out in compliance with local regulations.

# SAFETY DATA SHEET

## Nitrile Crumb

Date: 06/2019

Page 5 of 5

### SECTION 14 TRANSPORT INFORMATION

**14.1 General:**

Not relevant.

**14.2 UN-no:**

Not classified.

**14.3 Transport hazard class(es)**

14.3.1 RID/ADR:

Not classified.

14.3.2 IMO:

Not classified.

14.3.3 IATA/ICAO:

Not classified.

### SECTION 15 REGULATORY INFORMATION

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

Not available.

**15.2 Chemical safety assessment:**

Chemical safety assessments for substances in this mixture were not carried out. The components are encapsulated within the matrix

### SECTION 16 OTHER INFORMATION

**Issued by:**

J. Allcock & Sons Ltd.

**MSDS No.:**

WEB01

**Date:**

06/2019

For any further information please contact **J, Allcock & Sons Ltd.**

**DISCLAIMER:** All information and instructions provided in these Safe Handling Instructions (SHI) are based on the current state of scientific and technical knowledge at the date indicated on the present SHI. Wellington Rubber Co. Ltd. shall not be held responsible for any defect in the product covered by this SHI, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge **DATED: 06/2019**

