

SAFETY DATA SHEET

Trucarb 298

Date: 05/2019

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1 IDENTIFICATION OF SUBSTANCE

1.1 Product Identifier:

Identification on the label/ Trade name: Trucarb 298

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

1.2.1 Identified uses:

Filler 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

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

2.1.1 Classification:

This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008 and in Directive 67/548/EEC. This product should be handled with care to avoid dust generation.

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: Not applicable.

2.1.2.3 The most important adverse environmental

effects: Not 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

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance/Mixture:

The product in question is a substance.

3.2 Ingredients:

| Substance Name | % by weight | CAS# | EINECS No. | Classification EU (67/548/EEC) |
|-------------------|----------------|----------|------------|--------------------------------|
| Calcium Carbonate | >98% | 471-34-1 | 207-439-9 | No classification |
| Magnesia | Trace Elements | ---- | ---- | No classification |
| Silica | | ---- | ---- | No classification |

This product does not contain any classified impurity.

4 FIRST-AID MEASURES

4.1 Description of first aid measures:

4.1.1 In case of inhalation:

If breathing is difficult, move to fresh air and keep at rest in a position comfortable for breathing.

4.1.2 In case of skin contact

If on skin, Wash with plenty of water. If skin irritation occurs, get medical advice/attention.

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4.1.3 In case of eyes contact:

If in eyes, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

4.1.4 In case of ingestion:

Unlikely to cause any reactions. Give water to drink.

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

Not applicable.

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

No specific actions are required.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

5.1.1 Suitable extinguishing media:

Non-combustible and inhibits the spread of flame. No special firefighting procedure, extinguisher media or explosion hazard is identified.

5.1.2 Unsuitable extinguishing media:

Not applicable.

5.2 Specific Hazards arising from the substance or mixture:

The product is not flammable, combustible or explosive. No hazardous thermal decomposition.

5.3 Advice for fire-fighters:

No specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid airborne dust generation. If the generation of dust is likely, personal protective equipment should be worn in compliance with national legislation.

6.2 Environmental precautions:

No special requirements.

Contain spillage and clean up as indicated below.

6.3 Methods of containment and cleaning up:

Dry product should be cleaned with a shovel or vacuum cleaner while wearing personal protective equipment in compliance with national legislation. Cover or enclose area if possible or use water sprays to avoid unnecessary dust.

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.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of high concentration of dust. In dusty environments use goggles and dust masks

7.2 Conditions for safe storage, including any incompatibilities:

Should be stored in a cool dry environment. Bulk storage should be in a purpose-built silo. Product in bags should be stored in dry building.

7.3 Specific end use(s):

If you require advice on specific uses, please contact your supplier or check the Good Practice Guide referred to in section 16.

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8 EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters:

Workplace Exposure Limit Standard (UK HSE EH40):

10 mg/m³ (8 hr TWA)

4 mg/m³ (Respirable)

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Handling systems should preferably be enclosed, or suitable ventilation installed to maintain atmospheric dust below

WES. 8.2.2 Individual protection measures:

Eye/face protection:

Wide vision full goggles to BS2092 grade 1 impact, with anti-mist for eye protection.

Hand protection:

Rubber, leather or fabric/composite gloves provide suitable

hand protection. Body protection:

Long sleeved overalls, close fitting at openings. Boots that resist

dust penetration. Respiratory protection:

Wear suitable respiratory protection equipment if exposure to atmospheric dust levels above the Workplace Exposure Standard is likely. Use approved dust respirators to EN149 category FFP2, or air- stream helmet for heavy exposure.

8.2.3 Environmental exposure controls: Avoid wind dispersal.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

| | | |
|--|----------|---|
| Physical state: | | Ultra fine particulate solid. |
| Colour: | | White, off white to light grey powder |
| Odour: | | Odourless |
| pH: | | 9-10 (aqueous solution) |
| Melting point/range (°C): | | > 800 to form Calcium Oxide (Quicklime) |
| Boiling point/range (°C): | | Not applicable |
| Flash point (°C): | | Not applicable |
| Evaporation rate: | | Not applicable |
| Flammability (soild,gas): | | Non flammable |
| Upper/lower flammability/explosive limits: | | Not explosive. Limits do not apply |
| Vapour pressure: | @ 20°C | 0 |
| Vapour density: | | Not applicable |
| Relative Density (g cm ⁻³): | @ 25°C | Not applicable. |
| Specific Gravity | | 2.7 |
| Solubility: | in water | Approx. 100mg per litre at 20°C |
| Auto-ignition temperature (°C): | | to be completed |
| Decomposition temperature (°C): | @ 25°C | > 1000 °C |
| Viscosity (mm ² s ⁻¹ , cSt): | | Not applicable. |

9.2 Other information:

No other information.

10 STABILITY AND REACTIVITY

10.1 Reactivity:

Inert, not reactive.

10.2 Chemical stability:

Decomposes above 800°C

10.3 Possibility of hazardous reactions:

No hazardous reactions.

10.4 Conditions to avoid:

Reacts with acids, generating carbon dioxide gas.

10.5 Incompatible materials:

Keep away from acid

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10.6 Hazardous decomposition products:

Not relevant.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute Toxicity – Ingestion: Based upon the available data, the classification criteria are not met.
LD50 (oral, rat) mg/kg: > 2000 mg/kg bw/day (OECD 420)

Acute Toxicity – Skin Contact: Based upon the available data, the classification criteria are not met.
LD50 (skin, rat) mg/kg: > 2000 mg/kg bw/day (OECD 402)

Acute Toxicity – Inhalation: Based upon the available data, the classification criteria are not met.
LD50 (Inhalation, rat) mg/l/4h: >3 (OECD 403)

Skin corrosion/irritation: Based upon the available data, the classification criteria are not met.
Irritating to skin. (rabbit) – Negative (OECD 404)

Serious eye damage/irritation: Based upon the available data, the classification criteria are not met.
Irritating to eyes (rabbit) – Negative (OECD 405)

Respiratory sensitization: Based upon the available data, the classification criteria are not met.
Weight of evidence approach

Skin sensitization: Based upon the available data, the classification criteria are not met.
Sensitisation (mouse) – Negative (OECD 429)

Germ cell mutagenicity: Based upon the available data, the classification criteria are not met.
In vitro: Bacteria – negative (OECD 471)

Carcinogenicity: Based upon the available data, the classification criteria are not met.
Weight of evidence approach

Reproductive toxicity: Based upon the available data, the classification criteria are not met.
NOAEL: 100 mg/kg bw/day (rat) (OECD 222)

STOT – single exposure: Based upon the available data, the classification criteria are not met.
Weight of evidence approach

STOT – repeated exposure: Based upon the available data, the classification criteria are not met.
Weight of evidence approach

Aspiration hazard: Based upon the available data, the classification criteria are not met.
Weight of evidence approach

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

| | |
|--|--|
| Acute/Chronic Toxicity (Fish): | Non-toxic to aquatic life. |
| Acute/Chronic Toxicity (Aquatic invertebrates) | Non-toxic to aquatic life. |
| Acute/Chronic Toxicity (Aquatic plants) | EC10 (72 hours) for freshwater <i>Desmodesmus subspicatus</i> : >14mg/l (OECD 201) |
| Toxicity to microorganisms e.g. bacteria | NOEC (3 hours) for activated sludge: 1000 mg/L (OECD 209) |
| Chronic toxicity to aquatic organisms | Non-toxic to aquatic life. |
| Toxicity to soil dwelling organisms | LC50 for soil dwelling microorganisms (<i>Eisenia foetida</i>): >1000 mg/kg (OECD 207) |
| | NOEC for soil microorganisms (28d): 1000mg/kg (OECD 216) |
| Toxicity to terrestrial Plants | NOEC (21 days) for terrestrial plants: >1000 mg/kg (OECD 208) |

12.2 Persistence and degradability:

Non bio-degradable and stable in most environments.

12.3 Bioaccumulative potential:

This product has no potential to accumulate in the food chain.

12.4 Mobility in soil:

Negligible.

12.5 Results of PBT and vPvB assessment

Not relevant.

12.5 Other adverse effects:

No specific adverse effects known.

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13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.

13.2 Product/ Packaging disposal:

Dust formation from residues in packaging should be avoided and suitable worker protection assured.

Store used packaging in enclosed receptacles.

Contaminated packaging can be incinerated.

14 TRANSPORT INFORMATION

14.1 UN-no:

Not relevant.

14.2 Transport hazard class(es)#

14.2.1 RID/ADR:

Not classified.

14.2.2 IMO:

Notclassified

14.2.3 IATA/ICAO:

Not classified.

15 REGULATORY INFORMATION

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

Authorisations: None

Restrictions on use: None

Other EU Regulations: None

National Regulations: None

15.2 Chemical safety assessment:

Not applicable

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16 OTHER INFORMATION

16.1 References

Existing Safety Data Sheets (SDS)

Existing ECHA registration for Calcium Carbonate (CAS No. 471-34-1)

16.2 LEGEND

Abbreviations

| | |
|--------|---|
| EC50: | Median effective concentration |
| LC50: | Median lethal concentration |
| LD50: | Oral Median Lethal Dose / Dermal Median Lethal Dose |
| NOEC: | No Observed Effect Concentration |
| OEL: | Occupational Exposure Limits |
| PBT: | Persistent, Bioaccumulative and Toxic |
| PNEC: | Predicted No Effect Concentration |
| SCOEL: | The EU Scientific Committee on Occupational Exposure Limits |
| STEL: | Short Term Exposure Limit |
| TWA: | Time Weighted Average |
| vPvB: | very Persistent and very Bioaccumulative |

16.3 Revision:

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006

Issued by:

J. Allcock & Sons Ltd.

SDS No.:

2

Date:

05/2019

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

Annex to the extended Safety Data Sheet (eSDS): Exposure Scenario

Not applicable

DISCLAIMER: All information and instructions provided in these Safety Data Sheets (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SHI. J. Allcock & Sons 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: 05/2019**

