



Material Safety Datasheet

RECYCLED, SHREDDED VEHICLE TYRES

It is important that you, or any persons working for you or to whom you have supplied vehicle tyres, become familiar with the information given on both pages of this datasheet before handling, using or disposing of the material.

Recycled, Shredded Vehicle Tyres

1. Identification of substance/preparation and company

Company: CEMEX UK Operations Ltd
CEMEX House, Evreux Way
Rugby, Warwickshire CV21 2DT
Tel: 01788 542111 (out of hours 01932 568833)
Fax: 01788 540166
www.cemex.co.uk

Product: Recycled, vulcanised tyre products containing fibre and steel reinforcement strands.

Revision date: November 2011

Hazard information

2. Composition/information on ingredients

Material supplied from recycled tyres from both road-going and off-road vehicles and mobile plant. Complete vulcanised cured rubber tyres, some containing fibre and steel reinforcement strands are chopped to produce a recycled aggregate material.

3. Hazards identification

Cured rubber products are non-toxic. Prolonged skin exposure may cause irritation. Rubber dust caused by abrasion of cured rubber is not specifically toxic, but exposure should be minimised and kept below the relevant workplace exposure limit. Contamination in use by hydrocarbon by-products and other materials cannot be ruled out and suitable hygiene precautions should be adopted when handling the material. The material will contain a small percentage of steel reinforcement strands, which are sharp and may cause abrasion or minor cuts to unprotected skin.

Emergency action

4. First aid measures

4.1 Eye contact:
The effected area should be irrigated immediately with cold running water or sterile eyewash. If irritation persists, seek medical attention.

4.2 Skin contact:
If irritation becomes apparent, wash with warm water and soap. Seek medical attention if irritation persists.

4.3 Ingestion:
Ingestion is highly unlikely in any normal circumstances.

4.4 Inhalation:
Remove the affected person to fresh air, if breathing has stopped start artificial resuscitation. If the person is breathing but unconscious, place in the recovery position. Obtain medical assistance.

5. Fire fighting measures

The material is non-flammable, but will support combustion, generating intense heat, toxic fumes and smoke.

Water, foam, dry powder or CO₂ extinguishers should be used on fires involving recycled tyre materials. Inhalation of toxic fumes and smoke generated by fires involving this material should be avoided.

6. Accidental release measures

6.1 Personal Precautions (See 8.2.)

6.2 Cleaning Up:
Spilled materials should be swept up and shovelled into containers for disposal at an appropriately licensed disposal site.

Precautions

7. Storage & handling

7.1 Storage:
It is advisable to store the material away from flammable materials and sources of ignition.

7.2 Handling:
Avoid skin contact with material. Eating, drinking and smoking should be avoided where there is a risk of cross-contamination.

8. Exposure controls/personal protection

8.1 Workplace exposure limits:
Workplace Exposure Limits (WEL's) of 10mg/m³ total inhalable dust and 4mg/m³ respirable dust (8 hour TWA) are listed in EH40 for cured rubber dust.

8.2 Personal protective equipment:
a. Respiratory Protection:
Suitable respiratory protection (HSE approved standard) should be worn to ensure that personal exposure is less than the workplace exposure limit values. Always ensure good ventilation.
b. Hand and Skin Protection:
• Leather/PVC gloves should be worn to protect the hands
• Overalls/long sleeved jackets & trousers should be worn to protect the body
• Safety footwear, providing protection for the ankles

Product information

9. Physical & chemical properties

Cured rubber tyre products are produced from a mixture of natural rubber and synthetic elastomers and polymers, which have been subject to a vulcanisation process. The finished product is chemically stable and largely unreactive.

10. Stability & reactivity

Conditions contributing to chemical instability: None
Hazardous decomposition products: None
Special precautions: None

11. Toxicological information

a. Eye contact:
Dust may be irritating to the eyes.

b. Skin:
Prolonged or repeated contact may give rise to irritation and dermatitis.

c. Ingestion:
Extremely unlikely.

d. Inhalation:
No acute hazard at ambient temperatures. Inhalation of dust may cause respiratory irritation.

12. Ecological information

There are no significant hazards from this product at ambient temperatures.

13. Disposal considerations

Recycled cured rubber product is not classified as hazardous for disposal, although restrictions may be placed upon the method of disposal, e.g. restriction on disposal of whole tyres to landfill. Environment Agency requirements should be observed.

Additional information

14. Transport information

Not hazardous. Classification for conveyance – not required.

15. Regulatory information

Chemicals (Hazard Information and Packaging for Supply) Regulations.
Classification: Not classified as dangerous for supply in the UK.

16. Legislation & other information

- Health & Safety at Work, etc. Act 1974
- Consumer Protection Act 1987
- Control of Substances Hazardous to Health Regulations (COSHH) 2002
- Control of Substances Hazardous to Health (Amendment) Regulations 2004
- Environmental Protection Act 1990
- HSE Guidance Note EH40 (Workplace Exposure Limits)

Prepared in accordance with UK REACH Competent Authority Information Leaflet 13 - REACH and SDS - May 2008.

Guidance references

Available from HMSO, HSE area offices, or local authority Environmental Health Departments:

- EH40/: Workplace Exposure Limits
- A step-by-step guide to COSHH Assessment (HS[G]97)

IMPORTANT NOTES

The purpose of this datasheet is to provide Health, Safety and Environmental guidance on the safe handling, use and disposal of recycled, shredded vehicle tyres supplied by subsidiary or affiliate companies of CEMEX in the United Kingdom.

The information contained in this datasheet is correct at the date of, and applies only in relation to, the supply of material referred to in the delivery docket to which this datasheet is attached and forms part.

This datasheet should alert purchasers and/or users to the usual hazards in handling the supplied material when using it within the ordinary range of uses for which such material is normally supplied. If you have purchased or arranged the supply on behalf of a third party who will work with the material supplied it is your duty to pass this information on to them BEFORE such work commences.

For the avoidance of doubt the datasheet DOES NOT constitute the user's own assessment of workplace risk as may be required by other safety legislation and nothing herein shall be construed or relied upon as relieving the purchaser, user or any intermediate supplier or third party from any statutory or other legal duty which may apply to them or from taking care or precautions to protect themselves or others to whom they owe a duty of care.

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