

Material Safety Data Sheets

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

/UNDERTAKING

Product name: CARBON BLACK

Intended use: Rubber additive

2. COMPOSITION/INFORMATION ON INGREDIENTS

DIVIDED BLACK DUST OR POWDER

CAS No. : 1333-86-4

3. HAZARDS IDENTIFICATION

Most important Hazards (Effects of overexposure):

Eyes and Skin : Studies have been reported to be negative. No evidence of absorption or advice health effects based on animal test.

Ingestion : Considered to be practically non-toxic.

4. FIRST AID MEASURES

Eyes : Immediately flush with water for 15 minutes. Seek medical attention.

Skin : Wash with water, if symptoms occur, consult physician.

Ingestion : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Dry powder, or foam recommended; However this product is not flammable.

Special protective equipment for firefighters : Wear appropriate protective equipment and clothing. However this product is not flammable.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid making dust, avoid contacting with skin and eyes by wearing an approved dust mask. As a general precaution : Wash thoroughly after contact with product.

Environmental measures : No special measures required, comply with local regulations.

Methods for cleaning up : Vacuum clean dust with equipment fitted with HEPA filter, or spread absorbent material, collect into suitable container for disposal. For large spills, dike with inert material. Collect spilled material for possible salvage or disposal. Report all large spills to environmental authorities. Wash contaminated surface thoroughly with water and detergent. Waste disposal methods should be in accordance with methods set forth by local, state and federal authorities.

7. HANDLING AND STORAGE

Max. Storage temperature : 1000C

Preferred storage : Indoor, dry, store in accordance with standard approved warehousing procedures. Repair all broken bags immediately.

Handling : All handling may cause dust emission. Organize the handling in such a way, that the creation of dust is minimized. Secondary dust emission may be minimized by means of good housekeeping.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures taken before personal protection equipment is necessary : Adequate ventilation to keep dust level below local TLV for nuisance dust.

Components with critical values that require monitoring at the work place : not required

Personal protective equipment :

Respiratory : Wear disposable respiratory masks, suitable for nuisance dusts.

Protection of skin and eyes : Wear gloves and overalls wear goggles or safety glasses with side shields.

General protective equipment : Cleaning of contaminated garments by suction; do not brush or use compressed air.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : black dust or powder

Colour : black

Odour : none

Melting point / Melting range : not applicable

Boiling point / Boiling range : not applicable

Specific gravity: typically 1.9 - 2.1

Flash point : not applicable

Flammability : not applicable

Danger of explosion : none

Oxidizing properties : none

10. STABILITY AND REACTIVITY

Stability : Stable up to 1500 DegC

Conditions to be avoided : None in designed use

Decomposition products : Not available

11. TOXICOLOGICAL INFORMATION

Not available

12. ECOLOGICAL INFORMATION

General notes : The product being a rather stable intensely fine item should be handled carefully in such a way, avoid dusty, and it will not contaminate the environment. No further negative effects on the environment are reported.

13. DISPOSAL CONSIDERATIONS

Product : Waste from this material is not considered as dangerous waste according to EU-rules and can generally be brought to a normal tip with a permit to handle industrial waste. When contaminated with dangerous products the advice of an expert has to be obtained. In general the product is dusty, and as long as it has not been adequately wetted, it should be packed in well-closed containers for removal. Check the local regulations and requirements.

Empty packaging : As above.

14. TRANSPORT INFORMATION

Additional information : Not classified as dangerous goods.

15. REGULATORY INFORMATION

Designation according to EC guidelines : not required

Risk phrase : Possible risk of irreversible effects

Safety advice: Avoid contact with eyes & skin

Water hazard class : Not list in U.N. hazardous list – class 0 (self-assessment)

16. OTHER INFORMATION

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.