

Safety Data Sheet**491261/01**Date of issue: September 14, 2006
Revised: September 14, 2006

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1. Identification of the substance/preparation and the company**BAYNOX Plus**

LANXESS Limited
Branston Industrial Estate
Branston, Burton-on-Trent, Staffordshire. DE14 3WH
Telephone Number: 01283 714200
In case of emergency: 0870 190 6777. National Chemical Emergency Centre.

2. Composition/information on ingredients

2,2'-methylene-bis-(4-methyl-6-tert.-butylphenol) (BPH)
CAS No.: 119-47-1 Hazard Symbol: --
Index No.: -- R-Phrases: 53
EINECS No.: 204-327-1

3. Hazards identification

May cause long-term adverse effects in the aquatic environment. Risk of dust explosion.

4. First-aid measures

GENERAL INFORMATION: Contaminated clothing and footwear must be taken off at once and removed from room. Also heed the risks to your own person. Bring accident victim out of danger zone.
FOLLOWING SKIN CONTACT: Clean skin immediately with polyethyleneglycol 400 and wash off subsequently with plenty of water and soap. If skin reactions occur, contact a physician.
FOLLOWING EYE CONTACT: Open the eyelids and rinse for an adequate length of time with water. Consult an eye specialist immediately.
UPON INHALATION: Supply fresh air. If patient has difficulty in breathing, administer oxygen, keep him calm and protect him from loss of warmth. If breathing is difficult, obtain medical help.
UPON SWALLOWING: Rinse mouth out immediately and drink plenty of water. Do not induce vomiting. Pay attention to risk of aspiration after vomiting. Keep the respiratory tract free. In any case consult a physician.

INFORMATION FOR THE PHYSICIAN:
See Chapter 11 for information on toxicology.
Therapeutic measures: Basic aid, decontamination, symptomatic treatment.

5. Fire-fighting measures

Extinguishing media: water, foam, dry powder

In the event of fire be aware of formation of noxious fumes. In the event of fire or smouldering, wear respiratory protection equipment.

6. Accidental release measures

Do not empty into drains or waters. Put on protective equipment (see Chapter 8). Avoid formation of dust. Take up mechanically, fill into labelled, closable containers. To clean the floor and all objects contaminated by this material, use damp cloth. Also place used cleaning materials into closable receptacles. For disposal measures see Chapter 13.

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BAYNOX Plus**7. Handling and storage**

Protect from moisture and do not expose to temperatures above 40 °C. Avoid formation and deposition of dust. Risk of dust explosion. During processing, ensure efficient exhaust ventilation in the working area. Observe any national requirements pertaining to segregation of packed dangerous goods.

VCI Storage Class: 11

Take precautionary measures against static discharges. Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulations.

8. Exposure controls/Personal protection

Eye protection: Goggles

Hand protection: rubber gloves

Respiratory protection: Required at inadequately ventilated workplaces. If product forms dust wear dust-protection mask.

Do not inhale dust or vapours. Wash hands before breaks and at end of work. Keep working clothes separate.

9. Physical and chemical properties

tested in accordance with

Form:	solid
Colour:	white
Odour:	weak odour
Melting point:	125 to 130 °C
Boiling point:	ca. 185 °C at 0,1 hPa
Density:	ca. 1,04 g/ml at 20 °C
Vapour pressure:	0,00013 hPa at 50 °C
Solubility in water:	< 0,001 g/l at 20 °C
Soluble in:	acetone, ethanol, ethyl acetate
Partition coefficient:	log P octanol/water = > 3,6 (measured)
Flash point:	ca. 198 °C
Ignition temperature:	ca. 355 °C

10. Stability and reactivity

Thermal decomposition: No decomposition up to melting point.

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly. Formation of carbon monoxide, carbon dioxide and other toxic gases in the event of fire or during thermal decomposition.

Hazardous reactions: No hazardous reactions observed.

11. Toxicological information

LD₅₀ oral, rat: above 2000 mg/kg

Effect on the eyes: mechanical irritation (rabbit)

Effect on the skin: No irritation (rabbit)

Effect on the skin: No irritation in humans.

Mutagenicity: No mutagenic response in the Ames-Test.

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BAYNOX Plus**12. Ecological information**

Acute fish toxicity: LC50 = above 500 mg/l

Tested on *Orizias latipes*; duration of test: 48 h.Acute bacterial toxicity: EC₅₀ = above 1000 mg/l

Biodegradability: 0 % after 28 days; MITI-test I

Water pollution class (WGK): 1 - slightly hazardous to water

WGK = Classification in accordance with the German Water Resources Act

(in accordance with Annex 3 to the Directive on Water-Hazardous Substances)

13. Disposal considerations

Examine possibilities for re-utilisation. Product residues and uncleaned empty containers should be packaged, sealed, labelled, and disposed of or recycled according to relevant national and local regulations. Where large quantities are concerned, consult the supplier. When uncleaned empty containers are passed on, the recipient must be warned of any possible hazard that may be caused by residues.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

14. Transport information

GGVSE: -- UN: NODG PG: --

RID/ADR: -- UN: NODG PG: --

ADNR: -- UN: NODG PG: --

GGVSee/IMDG Code: -- UN: NODG PG: -- MPO: --

ICAO-TI/IATA-DGR: -- UN: NRES PG: --

Declaration for land shipment: --

Declaration for sea shipment: --

Declaration for shipment by air: --

Other information:

Not dangerous cargo. Keep dry. Avoid heat above +40 °C. Keep away from foodstuffs, acids and alkalis.

15. Regulatory information

Labelling as required by the Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3), in accordance with EC Directives:

2,2'-methylene-bis-(4-methyl-6-tert.-butylphenol)

R 53: May cause long-term adverse effects in the aquatic environment.

S 61: Avoid release to the environment. Refer to special instructions/Safety Data Sheet.

16. Other information

There is a risk of ignition by electrostatic charging with this material. Suitable measures should be installed to minimise this risk.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance.