

SAFETY DATA SHEET

PRINT DATE: 05/03/2002

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: Ionol CP
Product code: 1240
Supplier: Degussa Sant Celoni, S.A.
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: 2,6-bis(1,1-dimethylethyl)-4-methyl phenol
Synonyms: 2,6-Di tert. butyl-4-methyl phenol. Ionol CP
CAS-No : 128-37-0
Hazardous components
Chemical Name CAS-No EEC-No Class Weight %
2,6-bis(1,1-dimethylethyl)-4-methyl phenol. 128-37-0 204-881-4 Not classified as dangerous under EC criteria. > 99%

3. HAZARDS IDENTIFICATION

Most important hazards: No specific hazards.
Specific hazards: Not classified as flammable but will burn. Fine dust dispersed in air may ignite.

Product name: Ionol CP

4. FIRST AID MEASURES

General advice:	Not expected to give rise to an acute hazard under normal conditions of use.
Protection of first-aiders:	Take appropriate steps to avoid fire, explosion and inhalation hazards.
Inhalation:	Move to fresh air. If rapid recovery does not occur, obtain medical attention.
Skin contact:	Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention.
Eye contact:	Rinse thoroughly with plenty of water, also under the eyelids. If persistent irritation occurs, obtain medical attention.
Ingestion:	Do not induce vomiting. Never give anything by mouth to an unconscious person. If rapid recovery does not occur, obtain medical attention.
Notes to physician:	Treat symptomatically. Dermatitis may result from prolonged or repeated exposure.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Extinguishing media which must not be used for safety reasons:	Water in a jet.
Specific hazards:	Not classified as flammable but will burn. Carbon monoxide may be evolved if incomplete combustion occurs.
Special protective equipment for firefighters:	Full protective clothing and self-contained breathing apparatus.
Specific methods:	Cool containers / tanks with water spray. Do not use water in a jet.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid raising a dust cloud. Take precautionary measures against static discharges. Do not breathe vapours/dust. Avoid contact with skin, eyes and clothing. If risk of inhalation of dust wear effective dust mask. Wear gauntlet type PVC gloves, face-shield, disposable one-piece coated overall with integral hood, safety shoes or boots - chemical resistant. In a confined space, wear self-contained breathing apparatus.
Environmental precautions:	Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Inform the local authorities if this cannot be prevented.
Methods for cleaning up:	Transfer to a labelled, sealable container for product recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste.

Product name: Ionol CP

7. HANDLING AND STORAGE

Handling:	Avoid generation or accumulation of dusts. Take precautionary measures against static discharges. Earth all equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapours/dust.
Storage:	Keep in a dry, cool place. Keep container tightly closed. Avoid temperatures above 50°C
Incompatible products:	Do not store together with strong acids and strong bases.
Packaging material:	Polyethylene-lined paper sack, fibre keg, big bag

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name:	National occupational exposure limits:
In the absence of occupational exposure standards for this product, it is recommended that the following are adopted:	Dust total inhalable : 10 mg/m ³ TLV/TWA (ACGIH) Dust respirable : 3 mg/m ³ TLV/TWA (ACGIH)
Engineering measures to reduce exposure:	Ensure adequate ventilation, especially in confined areas.

Personal protection equipment

- Respiratory protection:	If risk of inhalation wear: effective dust mask.
- Hand protection:	PVC gloves.
- Eye protection:	Wear dust-tight monogoggles.
- Skin and body protection:	Wear standard issue work clothes, safety shoes or boots - chemical resistant.
Hygiene measures:	Wash hands before eating, drinking, smoking and using the toilet. Launder overalls and undergarments regularly.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	crystalline solid.
Colour:	white.
Odour:	characteristic.
Boiling point/range:	265 °C
Melting point/range:	70 °C
Flash point:	119 PMCC °C
Vapour pressure:	0.06 hPa (20 °C)
Relative density:	1.048 (20 °C) (20 °C)
Solubility:	
Water solubility	negligible (g/l)
Partition coefficient (n-octanol/water)	log 5.1

Product name: Ionol CP

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions. Thermal decomposition can take place above 100°C. Decomposes by reaction with strong acids.
Conditions to avoid:	Keep product and empty container away from heat and sources of ignition.
Materials to avoid:	Incompatible with strong acids and oxidizing agents. Incompatible with bases.
Hazardous decomposition products:	Heating can release vapours which can be ignited.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Toxicological data have not been determined specifically for this product. Information given is based on data on the components and the toxicology of similar products. LD50/oral/rat = > 2000 mg/kg. LD50/dermal/rabbit = > 2000 mg/kg.
Local effects:	Slightly irritating to the eyes & skin
Sensitization:	Not a skin sensitiser.
Long term toxicity:	Data not available from animal studies.
Chronic toxicity:	Not considered to be a mutagenic hazard. Not known to be associated with carcinogenic effects.

12. ECOLOGICAL INFORMATION

Mobility:	Sinks in water. Adsorbs to soil and is not mobile.
Persistence / degradability:	Not readily biodegradable.
Bioaccumulation:	
Ecotoxicity:	LC50/96h/goldfish = <i>bracydanio rerio</i> : > 0,5 mg/l EC50/120h/algae = <i>scenedemus subspicatus</i> : >0,4 mg/l LC50/48h/daphnia = <i>daphnia magna</i> : >0,3 mg/l Not toxic at limit of water solubility.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	Refer to Section 7 before handling the product or containers. Recover or recycle if possible. Otherwise: Incineration. In accordance with local and national regulations.
Contaminated packaging:	Remove all packaging for recovery or waste disposal.

Product name: Ionol CP

14. TRANSPORT INFORMATION

ADR/RID

Class:

Not classified as dangerous in the meaning of road and railway transport regulations.

IMO

Class:

Not a dangerous substance as defined in the above regulations.

ICAO

Class:

Not a dangerous substance as defined in the above regulations.

15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 90/492/EEC

- Contains: 2,6-bis(1,1,-dimethylethyl)-4-methyl phenol.

Not classified as dangerous under EC criteria.

Water classification

WGK = 1 (Kenn-Nr. 724)

16. OTHER INFORMATION

Last Revision Date: 14/12/98

Revision Date: 13/11/01

Revision No.: 4.

Further information:

Changes to transport classification and labelling requirements.

The information in this document should be made available to all who may handle the product.

For further information, contact your local DEGUSSA company or agent.

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