



Carl Warrlich GmbH

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1 Identification of the substance / preparation and of the company

Product: Ecological Firelighter
Registration number: not applicable
Use: See product designation
Identified use: none
Method of operation: See product information.
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2 Hazards identification

Physico-chemical hazards: See chapter 10 and R-phrases.
Human health dangers: No particular hazards known.
Environmental hazards: The product/the substance has the Water Hazard Class 1.
Other hazards: none
Hazard symbols:



Highly flammable

R-phrases: R 11: Highly flammable.

3 Composition / Information on ingredients

Comment on component parts: No dangerous components.

4 First aid measures

General information: none
Inhalation: not applicable
Skin contact: When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.
Eye contact: In case of contact with eyes rinse thoroughly with water.
In the event of symptoms seek for medical treatment.
Ingestion: Consult a doctor immediately.
Advice to doctor: Treat symptomatically.

5 Fire-fighting measures

Suitable extinguishing media: Dry powder.
Foam.
Sand.
Carbon dioxide.
Water spray jet.
Extinguishing media that must not be used: Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products: Unknown risk of formation of toxic pyrolysis products.
Special protective equipment for firefighters: Use self-contained breathing apparatus.
Do not inhale explosion and/or combustion gases.
Additional information: Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.
Cool containers at risk with water spray jet.



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6 Accidental release measures

- Personal precautions:** Keep away from all sources of ignition.
Ensure adequate ventilation.
- Environmental precautions:** Do not discharge into the drains/surface waters/groundwater.
- Methods for cleaning up:** Take up mechanically.
Dispose of absorbed material in accordance within the regulations.

7 Handling and storage

- Advice on safe handling:** No special measures necessary if used correctly.
- Advice on protection against fire and explosion:**
Hot product gives off flammable vapours.
Keep away from all sources of ignition - Refrain from smoking.
- Requirements for storage rooms and vessels:**
Keep only in original container.
- Advice on storage compatibility:** Do not store together with oxidizing agents.
- Further information on storage conditions:**
Keep in a cool place. Store in a dry place.

8 Exposure controls / personal protection

- Additional advice on system design:**
Ensure adequate ventilation on workstation.
- Ingredients with occupational exposure limits to be monitored:**
not applicable
- Respiratory protection:** not applicable
- Hand protection:** butyl rubber, > 120 min (EN 374)
- Eye protection:** Safety glasses.
- Skin protection:** not applicable
- General protective measures:** Avoid contact with eyes.
- Hygiene measures:** Use barrier skin cream.
Wash hands before breaks and after work.
- Delimitation and monitoring of the environmental exposition:**
not determined



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9 Physical and chemical properties

Form:	solid
Color:	brown
Odor:	characteristic
pH-value:	not applicable
pH-value [1%]:	not applicable
Boiling point [°C]:	not applicable
Flash point [°C]:	not applicable
Flammability [°C]:	not applicable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Oxidizing properties:	no
Vapour pressure [kPa]:	not determined
Density [g/ml]:	not determined
Density at [°C]:	
Bulk density [kg/m ³]:	not determined
Solubility in water:	insoluble
Partition coefficient [n-octanol/water]:	not determined
Viscosity:	not applicable
Relative vapour density determined in air:	not applicable
Evaporation speed:	not applicable
Melting point [°C]:	not determined
Autoignition temperature [°C]:	not determined
Decomposition temperature:	not determined

10 Stability and reactivity

Hazardous reactions:	Reactions with strong oxidizing agents.
Hazardous decomposition products:	No hazardous decomposition products known.

11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	No classification on the basis of the calculation procedure of the preparation directive.



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12 Ecological information


Fish toxicity: not determined
Daphnia toxicity: not determined
Behaviour in environment compartments:
not determined
Behaviour in sewage plant: not applicable
Bacteria toxicity: not determined
Biological degradability: not determined
COD: not determined
BOD 5: not determined
AOX-advice: not applicable
2006/11/EC: not applicable
General information: No classification on the basis of the calculation procedure of the preparation directive.

13 Disposal considerations

Product: Dispose of as hazardous waste.
Disposal in an incineration plant in accordance with the regulations of the local authorities.
Contaminated packaging: Packaging that cannot be cleaned should be disposed of as for product.
Waste no. (recommended): 190210

14 Transport information

Classification according to ADR: UN 2623 Firelighters, solid 4.1, III
- Classification Code: F1
- Label: 
- ADR LQ LQ9: 6kg
- ADR 1.1.3.6 (8.6): Transport category (tunnel restriction code): 4 (E)

Classification according to IMDG: UN 2623 Firelighters, solid 4.1 III
- EMS: F-A, S-I
- Label: 
- IMDG LQ: LQ: 5 kg


Classification according to IATA: UN 2623 Firelighters, solid 4.1 III
- Label: 



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15 Regulatory information

Exposure scenario: not determined
Chemical safety report: not determined
Labelling: The product is classified and labelled in accordance within EC-directives.
Hazard symbols:

Highly flammable
R-phrases: R 11: Highly flammable.
S-phrases: S 2: Keep out of the reach of children.
S 16: Keep away from sources of ignition - No smoking.
S 46: If swallowed, seek medical advice immediately and show this container or label.
Special labelling: none
Authorisation, TITEL VII: not applicable
Restrictions, TITEL VIII: not applicable
EEC-REGULATIONS: 1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006.
TRANSPORT-REGULATIONS: DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2009).
NATIONAL REGULATIONS EH40/2005 Workplace exposure limits with amendments October 2007.

16 Other informations

Observe employment restrictions for people:
yes
VOC (1999/13/CE): not determined
Customs Tariff: 36069090