

SaltyBee



Black Power Premium

Safety data sheet

According to (EG) No. 1907/2006 (REACH)

1. IDENTIFICATION OF SUBSTANCE

Trade name: Black Power Premium

Manufacturer/Supplier:

SaltyBee GbR

Siegburger Str.453

D-51105 Cologne/ Germany

www.salty-bee.com

Tel: +49 221 4231131 info@salty-bee.com

Information:

Section 16 (Contact)

2. IDENTIFICATION OF HAZARD

Classification according to (EG) No. 1272/2008, annex VII, regulation 67/548/EWG or regulation 1999/45/EG: The substance is not classified as dangerous to health and environment. It can cause eye, skin or respiratory tract irritation at sensitive persons.

3. COMPOSITION/ INFORMATION ABOUT COMPONENTS

Substance: Sodium salts of Humic acids ; CAS-Nr.: 68131-04-4

EINECS-Nr.: 268-608-0

Mixtures:

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4. FIRST AID MEASURES

General information:

In case irritation or health complaints consult a doctor and provide the information of this MSDS.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After skin contact:

Instantly wash with water and soap and rinse thoroughly. If symptoms persist, consult doctor.

After inhalation:

Provide fresh air. If symptoms persist, consult doctor.

After swallowing:

Rinse out mouth and then drink plenty of water. In case of persistent symptoms consult doctor.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents:

Water, foam, extinguishing powder,

CO₂ **Improper extinguishing**

agents:

None

Special hazards caused by the material, its products of combustion or resulting

gases: Can be released in case of fire: CO, CO₂ **General information for fire-fighters:**

The product is not flammable. Combustion residues and contaminated fire water are to be disposed according to local regulations. Avoid skin contact by wearing protective clothing and keeping a safety distance.

6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions, protective equipment and measurements in case of emergency:

Protective gloves and safety glasses to avoid skin and eye contact.

Measures for environmental protection:

Avoid entering of drainage system, surface or groundwater with concentrated product.

Measures for collecting and cleaning:

Isolate product and collect it in suited containers. Dilute residues and dispose them via drainage system.

Reference to section:

Please note safety measures under section 7 and 8.

7. HANDLING AND STORAGE

Measures for safe

handling: Do not leave containers open.

Observe minimum standards according to TRGS 5001. To these belong common hygiene measures like

- not to eat, drink and smoke in working areas
- to wash hands after handling of the product
- to take off contaminated clothing and protective equipment before entering break rooms.

References to measures regarding fire and explosion control:

No special measures required.

Storage conditions:

Store in cool, dry conditions in well sealed containers in suited store rooms.

Requirements to be met by storerooms and containers:

Do not store together with feeding or food stuffs.

Storage class:

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Parameters to be monitored:

None

Breathing protection:

Not required if room is well-ventilated. Wear respirator in case of dust formation. **Eye protection:** Safety glasses **Hand protection:**

Safety gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

General information:

Aggregate state:

Solid, water soluble granules

Colour: Black brown **Odour:** Imperceptible

pH value:

10-12 (10% water solution)

Boiling point / range:

Not determinable

Melting-/freezing point:

Not determinable

Flash point:

Non applicable

Relative auto-ignition temperature:

Not determinable

Explosive features:

Not explosive

Water solubility:

Soluble in water (> 200 g/L)

Bulk density:

0.5-0.6 g/cm³

10. STABILITY AND REACTIVITY

Reactivity:

Slight reactivity

Chemical stability:

The product is stable under normal usage and storage conditions.

Dangerous reactions:

No dangerous reactions to be expected if used according to specifications. **Conditions to be avoided:** Contact with strong oxidants **Incompatible materials:** Strong oxidants

Dangerous products of decomposition:

CO, CO₂ in case of fire

11. TOXICOLOGICAL INFORMATION

The product can cause eye, skin or respiratory tract irritation at sensitive persons.

Acute toxicity:

Acute oral toxicity (acc. EU B.1):	LD ₅₀ > 2000 mg/kg (rat)
Acute dermal toxicity (acc. EU B.3):	LD ₅₀ > 2000 mg/kg (rat)
Skin irritation (acc. EU B.4):	No irritabile effect on skin (rabbit)
Eye irritation (acc. EU B.5):	No irritabile effect on eyes (rabbit)
Sensitization (acc. EU B.42):	Can have sensitizing effects
Toxicity after repeated doses: (acc. EU B.7):	28 day oral test (rat): NOAEL (No observed adverse effect level) 500 mg/kg/day
carcinogenicity:	No data available
Mutagenity (acc. EU B.12/13/14; OECD 473):	in vitro: ames test negative Chromosomal aberration test negative in vivo: micronucleus test negative
Reproduction toxicity:	No data available
Further references:	None

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Acute toxicity for fish (*Poecilia reticulata*) acc. EU C.1

24 hours – LC ₅₀ > 128 mg/L	24 hours – NOEC = 128 mg/L
48 hours – LC ₅₀ > 128 mg/L	48 hours – NOEC = 128 mg/L
72 hours – LC ₅₀ > 128 mg/L	72 hours – NOEC = 128 mg/L
96 hours – LC ₅₀ > 128 mg/L	96 hours – NOEC = 128 mg/L

Acute toxicity for dafnie (*Daphnia magna*) acc. EU C.2

24 hours – LC ₅₀ > 116 mg/L	24 hours – NOEC = 116 mg/L
48 hours – LC ₅₀ > 116 mg/L	48 hours – NOEC = 116 mg/L

Alga growth inhibition: No data available

Act. sludge respiration inhibition (acc. EU C.11): EC₅₀ > 1000 mg/L

Persistence and decomposition (acc. EU C.4-E and EU C.7):

The substance is not easily degradable biologically. 2% decomposition within 28 days. Abiotic decomposition - Hydrolysis as a pH function: under pH 4.7 and 9 (25°C) is the decomposition half time longer than 1 year.

Bio-accumulating potential (acc. EU A.8):

Coefficient of distribution: log P_{OW} = -2.16 ± 0.45 (pH=9.1; 23°C); Bio-concentrating factor (BCF): No data available.

Mobility in the soil:

High amounts of the product can pollute ground and surface water. Therefore it is necessary to take care of accurate handling to avoid the leakage of the concentrated product into ground and surface water.

PBT and vPvB assessment results: No data available

Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment:

No dangerous waste. Avoid dust formation. Product has to be disposed according to official local regulations. Agree exact waste code with waste disposal contractor.

Waste code:

No data available

Packaging:

Dispose polluted and cleaned packaging to official local regulations.

14. TRANSPORT INFORMATION

UN number:

No dangerous good

Methodical UN transport labelling:

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: No dangerous good

Transport dangerous Goods classes:

No data available

Packaging group:

No data available

Environmental perils:

ADR/RID / IMDG-Code/ICAO-TI/IATA-DGR: no

Special notes for users:

See sections 6-8

15. REGULATORY INFORMATION

Regulations for safety, sanitary and environmental protection/specific laws for the substance or the mixture:

EU directives:

Directive (EG) No. 2037/2000, directive (EG) No. 850/2004, directive (EG) No. 689/2008 and directive (EG) No. 648/2004: Not applicable

Limitations according to section VIII of the directive (EG) 1907/2006: None

National directives: water hazard class:

WGK0: In general not hazardous to waters (self-rating).

Substance safety assessment:

The substance has not been safety assessed.

16. OTHER INFORMATION

Bibliographical references and data origins:

Directives:

Preparations directive (1999/45/EG) as last amended by Commission Directive (EG) No. 1907/2006. Substance Directive (67/548/EWG), as last amended by Commission Directive 2009/2/EG. REACH Directive (EG) No. 1907/2006, as last amended by Commission Directive (EU) Nr. 453/2010. Directive (EG) No. 1272/2008, as last amended by Commission Directive (EG) No. 790/2009.

Internet:

<http://www.humintech.com>

Hazard notes referred to in section 2 and 3:

According to Directive (EG) No. 1272/2008:

None

According to Directive 67/548/EWG:

Based on available data the product is not a dangerous preparation as defined by the Chemicals Act and the Hazard Substance Directive. No specific labelling requirements according to the Hazard Substance Directive.

Methods according to item 9 of Directive (EG) No. 1272/2008 for the assessment of information for the purpose of classification:

None

This data is based on our present knowledge. It can neither be regarded as a product quality guarantee nor as a basis of a contractual legal relationship. **Data sheet issuing sector:**

Product safety department

Contact:

info@salty-bee.com