

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.01.2012

Revision: 26.01.2012

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name** ***BOTAMENT MACH 3 IN 1***
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** *Bitumen high build coating*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** *BOTAMENT Systembaustoffe
Am Kruppwald 1
D-46238 Bottrop*

*Tel.: ++49(0)2041 101-90
Fax.: ++49(0)2041 101-988*
- **Informing department:** *Product safety department.
msds@botament.com*
- **Emergency telephone number:** *Tel.: ++49(0)178 310 10 43*

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** *The product is not classified according to the CLP regulation.*
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** *void*
- **Classification system:** *The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.*
- **Label elements**
- **Labelling according to EU guidelines:** *The product has not been classified and labelled in accordance with EC Directives / relevant national laws.*
- **Special labelling of certain preparations:** *Safety data sheet available for professional user on request.*
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** *Mixture of the substances listed below with harmless additions.*

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· Dangerous components:

CAS: 1314-13-2	zinc oxide	N R50/53	<0.5%
EINECS: 215-222-5		Aquatic Acute 1, H400; Aquatic Chronic 1, H410	

4 First aid measures

· Description of first aid measures

- General information** *No special measures required.*
- After inhalation** *Supply fresh air.*
- After skin contact** *Instantly wash with water and soap and rinse thoroughly.*
- After eye contact** *Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.*
- After swallowing** *Rinse out mouth and then drink plenty of water. Seek medical treatment.*
- Information for doctor**
- Most important symptoms and effects, both acute and delayed** *No further relevant information available.*
- Indication of any immediate medical attention and special treatment needed** *No further relevant information available.*

5 Firefighting measures

- Extinguishing media**
- Suitable extinguishing agents** *Use fire fighting measures that suit the environment.*
- Special hazards arising from the substance or mixture** *No further relevant information available.*
- Advice for firefighters**
- Protective equipment:** *No special measures required.*

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures** *Not required.*
- Environmental precautions:** *Dilute with much water.*
- Methods and material for containment and cleaning up:** *Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*
- Reference to other sections** *No dangerous materials are released.*

7 Handling and storage

- Handling**
- Precautions for safe handling** *No special measures required.*

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- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· **Components with critical values that require monitoring at the workplace:**

8052-42-4 Asphalt (25-50%)

WEL ()	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³
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- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** The usual precautionary measures should be adhered to in handling the chemicals.
- **Breathing equipment:** Only during spraying without adequate removal by suction.
Short term filter device:
Filter A/P2.
- **Protection of hands:** Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.
Nitrile rubber, NBR
- **Material of gloves**
- **Penetration time of glove material** -
- **Eye protection:** Not required.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - **Form:** Pasty
 - **Colour:** Black
 - **Smell:** Characteristic

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· pH-value at 20°C:	9
· Change in condition Melting point/Melting range: Not determined Boiling point/Boiling range: 100°C	
· Flash point:	Not applicable
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive.
· Steam pressure at 20°C:	23 hPa
· Density at 20°C	0.7 g/cm ³
· Solubility in / Miscibility with Water:	Emulsifiable
· Other information	No further relevant information available.

10 Stability and reactivity

· Reactivity	
· Chemical stability	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· Possibility of hazardous reactions	No dangerous reactions known
· Conditions to avoid	No further relevant information available.
· Incompatible materials:	No further relevant information available.
· Hazardous decomposition products:	No dangerous decomposition products known

11 Toxicological information

· Information on toxicological effects	
· Acute toxicity:	
· Primary irritant effect:	
· on the skin:	No irritant effect.
· on the eye:	No irritant effect.
· Sensitization:	No sensitizing effect known.
· Additional toxicological information:	When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

· Toxicity	
· Aquatic toxicity:	No further relevant information available.
· Persistence and degradability	No further relevant information available.

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- **Behaviour in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*
- **Mobility in soil** *No further relevant information available.*
- **Additional ecological information:**
- **General notes:** *Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.*
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **Other adverse effects** *No further relevant information available.*

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** *Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packagings:**
- **Recommendation:** *Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.*
- **Recommended cleaning agent:** *Water, if necessary with cleaning agent.*

14 Transport information

· UN-Number	
· ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	-

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* **15 Regulatory information**

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* **16 Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
 - H400 Very toxic to aquatic life.
 - H410 Very toxic to aquatic life with long lasting effects.
 - R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Department issuing data specification sheet:** Environment protection department.
- **Contact:** Mr. Hemming
- **Abbreviations and acronyms:** ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- * **Data compared to the previous version altered.**

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