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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Trade name: PLA (Poultry Litter Ash)  
Nature of the product: Hydrated Poultry Litter Ash  
Article number: N/A  
CAS Nr.: N/A  
EC Nr.: 931-597-4  
REACH registration number: 01-2119516041-58-0022  
Product identification: The fertiliser is derived from processed ash of burnt poultry litter. Poultry litter is obtained from poultry farms in the Netherlands meeting EU compliances for animal production. The material is produced from poultry litter ash and water.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: Production of Hydrated Poultry Litter Ash, distribution of Hydrated Poultry Litter Ash, formulation and repacking of Hydrated Poultry Litter Ash, use of Hydrated Poultry Litter Ash as fertilizer

### 1.3 Details of the supplier of the safety data sheet

Identification of company: BMC Moerdijk B.V.  
Middenweg 36a  
4782 PM Moerdijk  
The Netherlands

### 1.4 Emergency telephone number

Emergency telephon number of the organization or the official advisory:  
030 274 88 88 – National Poisoning Information Center (NVIC)

Responsible person for SDS

Telephone number: +31 (0)168 331433  
E-mail address: saskia.pellis@bmcmoerdijk.nl

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## 2. HAZARDS IDENTIFICATION

### 2.1.1 Classification of the substance or mixture according to Regulation (EC) No 1272/2008

Classification: Skin Irrit. 2  
Eye Dam. 1  
STOT SE 3

### 2.1.2 Label elements of the substance or mixture according to Regulation (EC) No 1272/2008

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Hazard pictogram(s):

Signal word(s):

Danger

Hazard statement(s):

H315 Causes skin irritation  
H318 Causes serious eye damage  
H335 May cause respiratory irritation

Precautionary statement(s):

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P264 Wash thoroughly after handling  
P271 Use only outdoors or in a well-ventilated area  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water  
P312 Call a POISON CENTER or doctor/physician if you feel unwell  
P362 Take off contaminated clothing and wash before reuse  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations

### 2.2.1 Classification of the substance or mixture according to Council Directive 67/548/EEC

Classification:

Xi Irritant

Hazard pictogram(s):

Risk phras(es):

R37/38 Irritating to respiratory system and skin  
R41 Risk of serious damage to eyes

### 2.3 Other hazards

The substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance

Name of the substance:

Hydrated Poultry Litter Ash

EC Number:

931-597-4

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## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

Immediate medical attention:

When in doubt or symptoms persist, obtain medical advice.

Contact with skin:

Remove contaminated clothing and wash skin thoroughly with soap and water. Wash contaminated clothing before reuse.

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Contact with eyes:	Flush with water. If symptoms persist, obtain medical advice.
Ingestion:	Rinse mouth. Do not induce vomiting.
Inhalation:	Fresh air. Rinse nose and mouth with water. If symptoms persist, obtain medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed

Contact with skin:	The substance can cause skin irritation. However, this is expected to be minimal in man.
Contact with eyes:	The substance is likely to cause eye irritation.
Ingestion:	Symptoms and effects are not known.
Inhalation:	The substance can cause respiratory irritation. However, this is expected to be minimal in man.

### 4.3 Indication of any immediate medical attention and special treatment needed

To the doctor:	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media:	The product itself is not flammable. Use extinguishing agents suitable for type of surrounding fire.
Unsuitable extinguishing media:	No specific risk.

### 5.2 Special hazards arising from the substance or mixture

Hazards caused by fire:	No hazards are expected from the product. This product is not flammable, explosive or oxidizing. It is unlikely that the product decomposes to other hazardous products if involved in a fire.
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### 5.3 Advice for fire-fighters

Protective measures:	Use protection for the respiratory tract. Use gloves and protective clothing.
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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:	Spill should be handled by trained personnel properly equipped with respiratory and eye protection. Avoid dust formation.
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### 6.2 Environmental precautions

Environmental precautions:	Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
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### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Clean the spill mechanically. Dispose the material according to Section 13. Clean the affected area.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Safe handling: Ensure good practices to prevent dust into the air. Use personal protective equipment (See Section 8). Do not eat, drink or smoke when using this product. Wash hands after use.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Open bulk storage. Outside. Keep moist to prevent dust formation by dehydration.

### 7.3 Specific end use(s)

Specific end use(s): For this product, exposure scenarios are developed for Production of Hydrated Poultry Litter Ash, distribution of Hydrated Poultry Litter Ash, formulation and repacking of Hydrated Poultry Litter Ash, use of Hydrated Poultry Litter Ash as fertilizer. Please see the attachment.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

There are no current published EU workplace exposure limits for this substance.

#### DNEL (Derived No Effect Level)

Type	Exposure	Value	Population	Effects
DNEL	Long-term, skin	7 mg/kg	Workers	Systemic
DNEL	Long-term, inhalation	1.4 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Long-term, skin	4.2 mg/kg	Consumers	Systemic
DNEL	Long-term, inhalation	0.84 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Long-term, ingestion	4.2 mg/kg	Consumers	Systemic

#### PNEC (Predicted No Effect Concentration)

Type	Detail compartment	Value	Organisms	Exposure
PNEC	Freshwater	0.213 mg/l	aquatic organisms	short-term (single instance)
PNEC	Marine water	0.0213 mg/l	aquatic organisms	short-term (single instance)
PNEC	STP	1 mg/l	microorganisms	short-term (single instance)
PNEC	Sediments	4,593 mg/kg	benthic organisms	short-term (single instance)
PNEC	Sediments	495 mg/kg	pelagic organisms	short-term (single instance)
PNEC	Water	33.3 mg/kg	(top) predators	short-term (single instance)
PNEC	Soil	18,762 mg/kg	terrestrial organisms	short-term (single instance)
PNEC	Water	0.0213 mg/l	aquatic organisms	short-term (single instance)

### 8.2 Exposure controls

Technical measures: Ensure cabins with overpressure or ensure adequate ventilation. Keep moist to prevent the dust formation.

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Industrial hygiene:	Eye showers should be available. Do not eat, drink or smoke while working. Wash hands before eating, drinking, smoking or using the toilet.
Respiratory protection:	With exposure > 1 hour: Full face mask with P3-filter or independent respirator. Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended. When exposure < 1 hour: Comfort mask or half face mask with P3-filter.
Hand protection:	Wear dust-proof working gloves.
Eye/face protection:	Use suitable eye protection (goggles) and face shield with safety glasses.
Skin protection:	Wear dust impermeable clothing when dust formation occurs.
Environmental exposure controls:	Not classified as dangerous for the environment. Handle in accordance with relevant laws and regulations.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Physical state	Powder. Sandy grains.
Color	(Light) red-brown. (Light) gray.
Odour	Odourless
pH	Not established
Melting point / freezing point	>300 °C
Initial boiling point and boiling range	Not established
Flash point	Not applicable
Evaporation rate	Not established
Flammability (solid, gas)	Not flammable
Upper/lower flammability or explosive limits	Not explosive
Vapour pressure	Not established, supposes not to be volatile
Solubility(ies)	<1 mg /l
Relative density	Not established
Vapour density	Not established
Partition coefficient: n-octanol/water	Not established
Auto-ignition temperature;	No spontaneous combustion
Decomposition temperature	Not established
Viscosity	Not relevant (solid)
Explosive properties	Not explosive
Oxidising properties	No oxidizing properties

#### 9.2 Other information

No

### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

Stable under recommended conditions of storage and use.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Reacts with: Strong acids and ammonium salts. It reacts with ammonium salts, such as ammonium nitrate and ammonium sulfate to release ammonia.

**10.4 Conditions to avoid**

Keep moist to prevent dust spread.

**10.5 Incompatible materials**

Strong acids. Ammonium salts.

**10.6 Hazardous decomposition products**

None under normal conditions.

**11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects according to Regulation (EC) 1272/2008**

**Acute toxicity**

The substance is not classified as acute toxic.

**Skin corrosion/irritation**

The dust causes irritation (OECD Method 431).

**Serious eye damage/irritation**

Causes severe eye damage (Hen's Egg Test Chorioallantoic Membrane (HET-CAM) test).

**Sensitization**

It is not classified as respiratory and skin sensitizer.

**CMR effects (carcinogenicity, mutagenicity, reproductive toxicity)**

The substance is not classified as CMR substance.

**Specific Target Organ Toxicity (STOT)**

• **STOT-single exposure**

May cause respiratory irritation.

• **STOT-repeated exposure**

Is not considered to have STOT (repeated exposure).

**Aspiration hazard**

Is not classified as dangerous for aspiration.

**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Is not classified as hazardous to the aquatic environment.

**Aquatic toxicity (acute)**

Endpoint	Value	Organisms	Exposure time
EC50	57.1 mg/l	aquatic invertebrates	48 hours
ErC50	21.2 mg/l	algae	72 hours

**Aquatic toxicity (chronic)**

Endpoint	Value	Organisms	Exposure time
EC50	95.9 mg/l	aquatic invertebrates	24 hour

#### **12.2 Persistence and degradability**

Not determined due to the nature of the substance. Biodegradation is not relevant for inorganic substances.

#### **12.3 Bioaccumulative potential**

LogBCF  $\leq$  107. The substance is not bioaccumulative according to the criteria in Annex XIII of REACH.

#### **2.4 Mobility in soil**

Data are not available.

#### **12.5 Results of PBT and vPvB assessment**

The substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

#### **12.6 Other adverse effects**

Data are not available.

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### **13. DISPOSAL CONSIDERATIONS**

#### **13.1 Waste treatment methods**

Product removal  
According to local/ national/ international rules

Disposal of packaging  
Not applicable.

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### **14. TRANSPORT INFORMATION**

#### **14.1. UN number**

Not classified

#### **14.2. UN proper shipping name**

Not applicable

#### **14.3. Transport hazard class(es)**

Not applicable

#### **14.4. Packing group**

Not applicable

#### **14.5. Environmental hazards**

Not applicable

#### **14.6. Special precautions for user**

Not applicable

#### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

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### **15. REGULATORY INFORMATION**

#### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**



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EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV List of substances subject to authorization: No

Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles: No

REACH Candidate List: No

National regulations

SZW-list for carcinogens: No

SZW-list for mutagens: No

NON-exhaustive list for substances with reproductive toxicity: No

### **15.2 Chemical Safety Assessment (CSA)**

A CSA is conducted by the supplier of this product.

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## **16. OTHER INFORMATION**

This safety data sheet contains changes from the previous version in section: 1.

The information in this document is based on the current available knowledge. This SDS has been compiled and is solely intended for this product. The description, composition, and physical/chemical properties are typical values and not guaranteed for this product.

It is the duty of the users to ensure that the information of the product is appropriate and complete with respect to the intended uses.

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