

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

# B4 Salpack Products Phosphate-based preparations - liquid

MORCEM 3, MORCAST 3

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

**Relevant identified uses:** Manufacture of basic metals, including alloys  
**Uses advised against:** Other:

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

#### Manufacturer

Morgan Molten Metal Systems GmbH

**Telephone:** +49 (0) 56 57 7010

Noltinastrasse 29  
D 37297 Berkatal

Morgan Molten Metal Systems (Suzhou) Co. Ltd.

**Telephone:** +86 (0) 512 6292 3188

108 Tong Sheng Lu  
CN 215 126 Suzhou Jiangsu

Morganite Crucible (India) Ltd

**Telephone:** +91 (0) 240 2554405

B-11 M.I.D.C.  
IN 431 136 Waluj Aurangabad Maharashtra

Morganite Brasil Ltda

**Telephone:** +55 (0) 11 4075-0400

Av do Taboão 3265  
BR 09565-000 São Bernardo do Campo São Paulo

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Morgan Molten Metal Systems GmbH

**Telephone:** +49 (0) 56 57 7010

Noltinastrasse 29  
D 37297 Berkatal

#### Information contact

Morgan Molten Metal Systems GmbH

**Information telephone** +49 (0) 56 57 7010

**Website** <http://www.morganmms.com/>

### 1.4. Emergency telephone number

Morgan Molten Metal Systems GmbH  
This number is serviced during office hours.

**Telephone** +49 (0) 56 57 7010

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008:  
Eye Dam. 1, H318

### 2.2. Label elements

Classification according to Regulation (EC) No 1272/2008 [CLP]  
Hazard pictograms



GHS05

Danger

Signal word:

Hazard statements:

H318 Causes serious eye damage.

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor/.?.

Special labelling of particular preparations:

none

### 2.3. Other hazards

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

in aqueous solution

#### Composition/information on ingredients

Substance:	CAS-No.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):	M, ATE, Note
Aluminum dihydrogen phosphate	13530-50-2		25 - 50 %	Eye Dam. 1, H318	M = 0

(Full text of H- and EUH-statements: see section 16.)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information:** In case of accident or unwellness, seek medical advice immediately

**In case of inhalation:** Provide fresh air. In case of respiratory tract irritation, consult a physician.

**Following skin contact:** In case of skin irritation, consult a physician.

**After eye contact:** In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if problems persist.

**After ingestion:** Rinse mouth immediately and drink plenty of water. Seek medical attention if

problems persist.

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

No known symptoms to date.

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

Causes serious eye damage.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Water fog. Carbon dioxide (CO<sub>2</sub>). Foam. dry extinguishing powder.

**Unsuitable extinguishing media** Full water jet

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

none

#### 5.3. Advice for firefighters

##### General information

Co-ordinate fire-fighting measures to the fire surroundings. The product itself does not burn.

##### Special protective equipment for fire-fighters:

In case of fire: Wear self-contained breathing apparatus.

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### SECTION 6: Accidental release measures

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

Wear personal protection equipment. Remove persons to safety. Provide adequate ventilation.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advices on safe handling

Avoid contact with skin and eyes.

##### Precautions against fire and explosion:

Usual measures for fire prevention.

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

### Requirements for storage rooms and vessels

Keep/Store only in original container. Always close containers tightly after the removal of product.

### Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

## 7.3. Specific end use(s)

Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m <sup>3</sup> ]	Limitation of exposure peaks:	Remark:

#### Substance with a common (EC) occupational exposure limit value.

Substance:	CAS-No.:	Source:	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m <sup>3</sup> ]	Limitation of exposure peaks:	Remark:

#### DNEL-/PNEC-values

##### DNEL value

Substance:	CAS-No.:	DNEL/DMEL

##### PNEC Value

Substance:	CAS-No.:	PNEC

#### Additional information

none

### 8.2. Exposure controls

#### Occupational exposure controls:

Provide adequate ventilation as well as local exhaust at critical locations. Technical measures and the application of suitable work processes have priority over personal protection equipment.

#### General protection and hygiene measures:

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

#### Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. Wear suitable gloves and eye/face protection.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

#### Hand protection

Tested protective gloves are to be worn: DIN-/EN-Norms: EN ISO 374

#### Eye/face protection

Tightly sealed safety glasses.

#### Body protection:

Wear suitable protective clothing.

#### Environmental exposure controls

refer to chapter 7. No further action is necessary.

#### Consumer exposure controls

refer to chapter 7. No further action is necessary.

#### Exposure Scenario:

none

## SECTION 9: Physical and chemical properties

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

#### Appearance

Physical state:	Liquid
Colour:	colourless
Odour:	odourless
Odour threshold:	No data available

#### Safety relevant basis data

	parameter	Value	unit	Remark
Melting point/freezing point:				No data available
Initial boiling point and boiling range:		125	°C	
Flammability:				none
lower flammability or explosive limits:				not applicable
Upper flammability or explosive limits:				not applicable
Flash point:				not applicable
Ignition temperature:				No data available
Decomposition temperature:				No data available
pH:	20 °C ; 10g/	2,3		
Kinematic viscosity:				No data available
Water solubility (g/L):				No data available
Partition coefficient: n-octanol/water:				No data available
Vapour pressure:				No data available
Density:		1,5	g/cm <sup>3</sup>	
Relative density:				No data available
Particle properties:				No data available

### 9.2. Other information

none

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No known hazardous reactions.

### 10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

none

#### 10.4. Conditions to avoid

No information available.

#### 10.5. Incompatible materials

No information available.

#### 10.6. Hazardous decomposition products

No information available.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes within the meaning of Regulation (EC)

##### No. 1272/2008

No information available.

**M-factor:** -

**Acute toxicity (dermal):** -

**Acute toxicity (oral):** -

**Acute toxicity (inhalative):** -

##### Acute toxicity

Substance:	CAS-No.:	Toxicological information
Aluminum dihydrogen phosphate	13530-50-2	LD50 oral (rat) > 2000 mg/kg LD50 dermal (rabbit) > 4640 mg/kg LC50 inhalation (rat, 4 h) > 5,1 mg/l

##### Skin corrosion/irritation:

No information available. Not an irritant. Bridging principle "Dilution".

##### Serious eye damage/irritation:

Causes serious eye damage.

##### Respiratory or skin sensitisation:

No information available. not sensitising. Bridging principle "Dilution".

##### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

###### Carcinogenicity:

There are no data available on the preparation/mixture itself. No indication of human carcinogenicity. Bridging principle "Dilution".

###### Germ cell mutagenicity:

There are no data available on the preparation/mixture itself. No indications of human germ cell mutagenicity exist. Bridging principle "Dilution".

###### Reproductive toxicity:

There are no data available on the preparation/mixture itself. No indications of human reproductive toxicity exist. Bridging principle "Dilution".

##### STOT-single exposure:

No information available.

##### STOT-repeated exposure:

No information available.

##### Aspiration hazard

No information available. Not an irritant. Bridging principle "Dilution".

##### Additional information

No data available

## 11.2. Information about other hazards

### 11.2.1 Endocrine disrupting properties

No known endocrine disrupting properties

### 11.2.2 Other Information

none

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## SECTION 12: Ecological information

### 12.1. Toxicity

The information about ecology refers to the main components.

#### Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
Aluminum dihydrogen phosphate	13530-50-2	LC50 (fish, 96 h) > 100 mg/l EC50 (Great Water flea, 48 h) > 100 mg/l

### 12.2. Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

### 12.6 Endocrine disruptive effect

No known endocrine disrupting properties

### 12.7. Other adverse effects

none

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Appropriate disposal/Product:

Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

#### Appropriate disposal / Package

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

#### List of proposed waste codes / waste designations according to EWC / AVV

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

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## SECTION 14: Transport information

#### 14.1. UN number

UN No.: -

#### 14.2. UN proper shipping name

Land transport (ADR/RID)

-  
-

Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

-  
-

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

Hazard label(s) / Label: - Classification code: / Classification Code: -

#### 14.4. Packing group

Packing group/ Packing Group: -

#### 14.5. Environmental hazards

ADR/RID / IMDG / ICAO-TI / IATA-DGR:	Yes	No
Marine pollutant:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### 14.6. Special precautions for user

Land transport (ADR/RID)

transport category:

Special provisions:

tunnel restriction code:

Limited quantity (LQ): -

Sea transport (IMDG)

EmS-No: -

Special provisions: Limited quantity (LQ): -

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

Remark none

### SECTION 15: Regulatory information

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

##### EU legislation

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer  
not relevant

Regulation (EU) No 649/2012 on the export and import of dangerous chemicals  
not relevant

The substance/product is registered with strictly controlled conditions as defined in Article 18(4) of Regulation (EC) No. 1907/2006 (REACH Regulation) and must therefore be handled as such.  
not relevant

##### National regulations

Observe in addition any national regulations!



**Restrictions of occupation**

No information available.

Restrictions of occupation

**Not subject to StörfallVO.**

**Solvents Regulation (31st BImSchV)**

not relevant

**Other regulations, restrictions and prohibition regulations**

none

## 15.2. Chemical Safety Assessment

**For this preparation a chemical safety assessment has been carried out.**

For this substance a chemical safety assessment is not required.

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## SECTION 16: Other information

**Relevant H- and EUH-phrases (Number and full text):**

**Hazard statements**

H318 Causes serious eye damage.

**Training advice**

none

**Recommended restrictions of use:**

refer to chapter 1.

**Further remarks:**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage

**Documentation of changes:**

Update according to current regulations

**Key literature references and sources for data**

Data arise from reference works and literature.

**Abbreviations and acronyms**

none