

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

1.1. Product identifier

B4 Salpack Products Phosphate-based preparations

MORCEM 2, MORCAST 2

CAS No.:
EG No.:
INDEX No.:
REACH No.:

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

Relevant identified uses: Metal production and processing, including alloys
Uses advised against: Other:

1.3. Details of the supplier of the safety data sheet

Manufacturer

Morgan Molten Metal Systems GmbH

Noltinastrasse 29
D 37297 Berkatal

Telephone: +49 (0) 56 57 7010

Telefax:

Morgan Molten Metal Systems (Suzhou) Co. Ltd.

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Morganite Crucible (India) Ltd

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Diamond Crucible Co. Ltd

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Gujarat

Morganite Brasil Ltda

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

Telephone: +55 (0) 11 4075-0400

Telefax:

São Paulo

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

Morgan Molten Metal Systems GmbH

Noltinastrasse 29
D 37297 Berkatal

Telephone: +49 (0) 56 57 7010

Telefax:

Information contact

Morgan Molten Metal Systems GmbH

Information telephone: +49 (0) 56 57 7010

Information telefax:

E-mail (competent person):

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

1.4. Emergency telephone number

Morgan Molten Metal Systems GmbH

Telephone: +49 (0) 56 57 7010

This number is only available during office hours.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008: -

2.2. Label elements

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

Hazard pictograms: -

Signal word: -

Hazard statements: -

Precautionary statements:

Hazardous component(s) for labelling

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

Mixture of components not classified as dangerous.

Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):
-						

(Full text of H- and EUH-phrases: 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 (show directions for use or safety data sheet if possible).

Following 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

No special measures are necessary. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water fog. High power water jet. Carbon dioxide (CO₂). Foam. dry extinguishing powder.

Unsuitable extinguishing media: none

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 firefighters:

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No special measures are necessary.

6.2. Environmental precautions

No special environmental protection measures are necessary.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

No special precautionary measures are necessary.

Precautions against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No special technical protective measures are necessary.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Storage class: 13 Non-combustible solids.

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 ³]	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 ³]	Limitation of exposure peaks:	Remark:

DNEL-/PNEC-values

DNEL value

Substance:	CAS-No.:	DNEL/DMEL

PNEC Value

Substance:	CAS-No.:	PNEC

8.2. Exposure controls

Occupational exposure controls

Provide adequate ventilation as well as local exhaustion 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

Respiratory protection

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

Hand protection

Hand protection is not required

Eye/face protection

Eye protection: not required.

Body protection

Body protection: not required.

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: solid
Colour: black, gray
Odour: odourless
Odour threshold: not determined

Safety relevant basis data

	Parameter	Value	Unit	Remark
pH:				not applicable
Melting point/freezing point:				not applicable
Initial boiling point and boiling range:				not applicable
Flash point:				not applicable
Evaporation rate:				not applicable
Flammability (solid, gas):				No data available
Explosive properties:				not explosive.
Lower flammability or explosive limits:				not applicable
Upper flammability or explosive limits:				not applicable
Vapour pressure:				not applicable
Vapour density:				not applicable
Relative density:				not determined
Density:		1,0 - 1,7	g/cm ³	
Solubility(ies):	:			not applicable
Partition coefficient: n-octanol/water:				not applicable
Auto-ignition temperature:				No data available
Decomposition temperature:				No data available
Viscosity:				not applicable
Metal corrosive properties				not determined
Oxidising properties:				Not oxidising.

9.2. Other information

Bulk density: not applicable
Water solubility: poorly soluble
Fat solubility: practically insoluble
Solvent separation test: not applicable
Solvent content: not applicable
 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 toxicological effects

No information available.

Acute toxicity

Substance:	CAS-No.:	Toxicological information
-		

Skin corrosion/irritation

No information available.

Not an irritant. Bridging principle "Dilution".

Serious eye damage/irritation

No information available.

Not an irritant. Bridging principle "Dilution".

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".

SECTION 12: Ecological information

12.1. Toxicity

No information available.

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
-		

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. Other adverse effects

none

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 in accordance with EWC

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

Waste code product: 10 09 05 - 10 09 08, 10 10 05 - 10 10 08

Waste code packaging: 15 01 06

SECTION 14: Transport information

14.1. UN number

UN No.: -

14.2. UN proper shipping name

ADR / RID

-

-

IMDG / ICAO-TI / IATA-DGR

-

-

14.3. Transport hazard class(es)

Hazard label(s):: - Classification Code: -

14.4. Packing group

Packing Group: -

14.5. Environmental hazards

Labelling environmentally hazardous substances

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

Marine Pollutant: yes / no

14.6. Special precautions for user

Land transport (ADR/RID)

Transport category: Tunnel restriction code:
Special provisions: Limited quantity (LQ): -

Sea transport (IMDG)

EmS-No: - Limited quantity (LQ): -
Special provisions:

14.7. Transport in bulk according to Annex II of Marpol 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 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register:
not relevant

Regulation (EC) No 1005/2009 on substance that deplete the ozone layer:
not relevant

Regulation (EC) No 648/2004 on detergents:
not relevant

Regulation (EC) No 850/2004 on persistent organic pollutants:
not relevant

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

Restrictions according to Title VIII of Regulation (EC) No 1907/2006:
not relevant

National regulations

Observe in addition any national regulations!

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance:

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

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

Hazard statements

-

Training advice

none

Recommended restrictions of use

refer to chapter 1.

Documentation of changes

none

Key literature references and sources for data

Data arise from reference works and literature.

Abbreviations and acronyms

none
