

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

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

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

Morgan Molten Metal Systems GmbH

Noltinastrasse 29
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Telephone: +49 (0) 56 57 7010

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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:

Eye Dam. 1; 318

2.2. Label elements

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

Hazard pictograms:



Signal word:

GHS05

Danger

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/?.

Hazardous component(s) for labelling

Aluminum dihydrogen phosphate

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:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):
Aluminum dihydrogen phosphate		13530-50-2			25 - 50 %	Eye Dam. 1; 318

(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

Causes serious eye damage.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media:** Water fog. Carbon dioxide (CO₂). 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 firefighters:

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

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

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.

Storage class: 12

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

Tested protective gloves are to be worn: DIN-/EN-Norms: DIN EN 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
pH:	20 °C ; 10g/L	2,3	
Melting point/freezing point:			No data available
Initial boiling point and boiling range:		125 °C	
Flash point:			not applicable
Evaporation rate:			No data available
Flammability (solid, gas):			none
Explosive properties:			not explosive.
Lower flammability or explosive limits:			not applicable
Upper flammability or explosive limits:			not applicable
Vapour pressure:			No data available
Vapour density:			No data available
Relative density:			No data available
Density:		1,5 g/cm³	
Solubility(ies):	:		not applicable
Partition coefficient: n-octanol/water:			No data available
Auto-ignition temperature:			No data available
Decomposition temperature:			No data available
Viscosity:			No data available
Metal corrosive properties			No data available
Oxidising properties:			Not oxidising.

9.2. Other information

Bulk density: not applicable
 Water solubility: completely miscible
 Fat solubility: insoluble in:
 Solvent separation test: No data available

Solvent content:
none

No data available

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
Aluminum dihydrogen phosphate	13530-50-2	LD50 oral (rat) > 2000 mg/kg LD50 dermal (rabbit) > 4640 mg/kg LC50 inhalativ (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".

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. Other adverse effects

none

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

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:

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 and the IBC Code

Remark:

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

H318 Causes serious eye damage..

Training advice

none

Recommended restrictions of use

refer to chapter 1.

Documentation of changes

Complete revision

Change in composition, classification of the mixture and evaluation method used in accordance with Regulation (EC) No 1272/2008 [CLP]

Key literature references and sources for data

Data arise from reference works and literature.

Abbreviations and acronyms

none