

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

1.1. Product identifier

B3 Salpack Products - Aluminabased preparations

Morcoat 527

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

Relevant identified uses: Foundry preparation for use as a special coating for holding, melting, handling and processing of metal for casting and other metalworking processes

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
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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: - No dangerous material

2.2. Label elements

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

Hazard pictograms

Signal word:

Hazard statements:

-

Precautionary statements:

-

Special labelling of particular preparations:

Restricted to professional users.

2.3. Other hazards

This substance/mixture contains components in concentrations of 0.1% or higher, which are classified as either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB). Mild acid, splashes can cause irritation of the skin or eyes.

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
Mullite	1302-93-8	01-2119517522-47	40-60%	-	-
Aluminium oxide	1344-28-1	01-2119529248-35	40-60%	-	-
Cristobalite	14464-46-1		0-10 %	-	-
Quartz	14808-60-7		0-10%	-	-

(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: Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.

Following skin contact: After contact with skin, wash immediately with plenty of water and soap. 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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water fog. High power water jet. Carbon dioxide (CO ₂). 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 fire-fighters:

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. Special danger of slipping by leaking/spilling product.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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. Clear contaminated areas thoroughly. Wash with plenty of water.

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

Keep container tightly closed and in a well-ventilated place. Avoid dust formation. Be careful not to damage the product as this may cause dust.

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 the packing dry and well sealed to prevent contamination and absorption of humidity. Avoid: Heat UV-radiation/sunlight

Hints on joint storage

Do not store together with: Explosive substances. Highly oxidising substances Infectious substances Radioactive substances Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

The uses are provided in Section 2.2. Other uses are not recommended unless an assessment is completed, prior to commencement of that use, which demonstrates that the use will be controlled.

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/m³]	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/m³]	Limitation of exposure peaks:	Remark:
Cristobalite	14464-46-1	EU	(EU) 2017/2398		0.1		krist. Quarz

DNEL-/PNEC-values

DNEL value

Substance:	CAS-No.:	DNEL/DMEL

PNEC Value

Substance:	CAS-No.:	PNEC

Additional information

AGS: Ausschuss für Gefahrstoffe (Committee on Hazardous Substances) E: inhalable dust fraction Y: A risk of reproductive effects needs not to be feared if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept 10: The occupational exposure limit value refers to the element content of the corresponding metal.

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

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

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

protection necessary at: Dust formation. Suitable respiratory protection apparatus: particulates filter device (DIN EN 143).

Hand protection

The use of resistant protective gloves is recommended. Skin protection creams do not offer as effective protection as protective gloves. Therefore, suitable protective gloves should be preferred as much as possible. Suitable material: No information available. Experience has shown that the following glove materials are suitable for protection against undissolved solids: CR (polychloroprene, chloroprene rubber) NBR (Nitrile rubber) Butyl caoutchouc (butyl rubber) FKM (fluoro rubber) PVC (polyvinyl chloride)

Eye/face protection

Tightly sealed safety glasses. Eye glasses with side protection

Body protection:

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Only wear fitting, comfortable and clean protective clothing. Barrier creams are not substitutes for body protection.

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:

No information available, because for the substance no chemical safety report is required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state:	Suspension
Colour:	white
Odour:	odourless
Odour threshold:	not applicable

Safety relevant basis data

	parameter	Value	unit	Remark
Melting point/freezing point:				not determined
Initial boiling point and boiling range:				not determined
Flammability:				not applicable in aqueous solution
lower flammability or explosive limits:				not applicable
Upper flammability or explosive limits:				not applicable
Flash point:				Non-combustible liquids
Ignition temperature:				No data available
Decomposition temperature:				not determined
pH:				not determined
Kinematic viscosity:				not determined
Water solubility (g/L):				
Partition coefficient: n-octanol/water:				not determined
Vapour pressure:				not applicable
Density:		1,4 - 1,6	g/cm ³	

Reproductive toxicity:

Presumed human reproductive toxicant. May damage fertility or the unborn child.

STOT-single exposure:

The mixture is not classified as specific target organ toxicant (single exposure) within the meaning of Regulation (EC) No. 1272/2008 [GHS].

STOT-repeated exposure:

The mixture is not classified as specific target organ toxicant (repeated exposure) within the meaning of Regulation (EC) No 1272/2008 [GHS].

Aspiration hazard

Not an irritant.

Additional information

none

11.2. Information about other hazards

11.2.1 Endocrine disrupting properties

No known endocrine disrupting properties

11.2.2 Other Information

none

SECTION 12: Ecological information

12.1. Toxicity

The mixture is not classified as dangerous for the environment within the meaning of Regulation (EC) No. 1272/2008 [GHS] (principle of Additivity).

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
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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

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

The mixture contains the following substances fulfilling the PBT-/vPvB criteria according to REACH Annex XIII

12.6 Endocrine disruptive effect

No known endocrine disrupting properties

12.7. Other adverse effects

There are no data available on the mixture itself.

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 according to EWC / AVV

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

SECTION 14: Transport information

14.1. UN number

UN No.: none

14.2. UN proper shipping name

Land transport (ADR/RID)

No dangerous good under transport regulations.

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

No dangerous good under transport regulations.

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

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

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: -
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

The substance/mixture/product with its ingredients is not subject to the Regulation.

Regulation (EU) No 649/2012 on the export and import of dangerous chemicals

The substance/mixture/product with its ingredients is not subject to the Regulation.

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.

Annex XVII, entry

National regulations

Observe in addition any national regulations!

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented.

Restrictions of occupation

Not subject to StörfallVO.

Solvents Regulation (31st BImSchV)

Annex XVII, entry

Other regulations, restrictions and prohibition regulations

none

15.2. Chemical Safety Assessment

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

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

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

Hazard statements

360FD May damage fertility. Suspected of damaging the unborn child.

Training advice

none

Recommended restrictions of use:

Reserved for industrial and professional use. The product should only be handled by persons over the age of 18, who were informed sufficiently about the dangerous nature of the product and about the necessary safety precautions.

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

Information comes from reference works, the literature or safety data sheets of the components.

Abbreviations and acronyms

none
