

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Asplit® HES Powder

Revision date: 11.11.2019

Product code: 00359-1162

Page 2 of 9

P314 Get medical advice/attention if you feel unwell.

2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Mixture of the following substances with non-hazardous admixtures

Hazardous components

| CAS No | Chemical name | | | Quantity |
|------------|--|----------|------------------|----------|
| | EC No | Index No | REACH No | |
| | GHS Classification | | | |
| 14808-60-7 | Quartz | | | < 40 % |
| | 238-878-4 | | 01-2120770509-45 | |
| 14808-60-7 | Quartz | | | < 35 % |
| | 231-545-4 | | | |
| | STOT RE 1; H372 | | | |
| 1344-09-8 | Sodium silicate | | | < 20 % |
| | 215-687-4 | | 01-2119448725-31 | |
| | Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H315 H318 H335 | | | |

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

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove and wash contaminated clothing before re-use.

After inhalation

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
In the event of symptoms refer for medical treatment.

After contact with skin

Wash with water and soap as a precaution.
Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical treatment by eye specialist.

After ingestion

In the event of symptoms refer for medical treatment.

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

Causes damage to organs through prolonged or repeated exposure. [lung]
Causes skin irritation.
Causes serious eye damage.
Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.

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

Treat symptoms.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Asplit® HES Powder

Revision date: 11.11.2019

Product code: 00359-1162

Page 3 of 9

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

No data available

5.3. Advice for firefighters

In case of fire, wear suitable respiratory equipment with positive air supply.

Protective suit.

Additional information

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In case of respirable dust, use a self-contained breathing apparatus.

Ensure adequate ventilation.

Use personal protective clothing.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/ground water.

6.3. Methods and material for containment and cleaning up

Pick up mechanically, avoiding dust, and provide disposal in suitable recipients.

Where possible recycling is preferred to disposal.

6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8).

Information for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed.

Avoid the formation and deposition of dust.

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Advice on protection against fire and explosion

No special protective measures against fire required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

Hints on joint storage

No materials to be especially mentioned.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

filler

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Asplit® HES Powder

Revision date: 11.11.2019

Product code: 00359-1162

Page 4 of 9

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

Obey TLV for common dust, if applicable.

8.2. Exposure controls**Appropriate engineering controls**

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Protective and hygiene measures

Do not breathe dust.

Wash hands before breaks and at the end of workday.

When using do not eat, drink or smoke.

Remove and wash contaminated clothing before re-use.

Eye/face protection

Safety goggles with side protection (EN 166).

Hand protection

Chemical protective gloves made of nitrile, nitrile/cotton, butyl or neoprene, with a minimum thickness of 0.7 mm, permeation time of approx. 480 minutes.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Pls. find examples in the protective gloves database under: <http://bestglove.com/site/chemrest/>**Skin protection**

Long sleeved clothing (DIN EN ISO 6530)

Respiratory protection

Dust mask (EN 149)

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|-----------------|-----------|
| Physical state: | Powder |
| Colour: | Beige |
| Odour: | Odourless |

Test method

pH-Value: n.d.

Changes in the physical state

Melting point: n.d.

Initial boiling point and boiling range: n.d.

Sublimation point: n.a.

Softening point: n.d.

Flash point: n.a.

Flammability

Solid: Not combustible

Gas: n.a.

Explosive properties

The product is not explosive.

Lower explosion limits: n.a.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Asplit® HES Powder

Revision date: 11.11.2019

Product code: 00359-1162

Page 5 of 9

| | |
|-------------------------------------|----------------------------------|
| Upper explosion limits: | n.a. |
| Ignition temperature: | n.a. |
| Auto-ignition temperature | |
| Solid: | The product is not self-igniting |
| Gas: | n.a. |
| Decomposition temperature: | n.d. |
| Oxidizing properties | |
| Not oxidising. | |
| Vapour pressure: | n.d. |
| Density (at 20 °C): | ~ 1,06 g/cm ³ |
| Bulk density: | n.d. |
| Water solubility: (at 20 °C) | More or less insoluble |
| Solubility in other solvents | |
| n.d. | |
| Partition coefficient: | n.d. |
| Viscosity / dynamic: | n.a. |
| Viscosity / kinematic: | n.a. |
| Flow time: | n.a. |
| Vapour density: | n.a. |
| Evaporation rate: | n.a. |
| Solvent separation test: | 0 % |
| Solvent content: | 0 % |
| 9.2. Other information | |
| Solid content: | 100 % |

SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Not known.

10.5. Incompatible materials

No materials to be especially mentioned.

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Asplit® HES Powder

Revision date: 11.11.2019

Product code: 00359-1162

Page 6 of 9

Based on available data, the classification criteria are not met.
No toxicological data available.

Irritation and corrosivity

Causes skin irritation.
Causes serious eye damage.
Eye irritation: Causes serious eye damage.
Skin irritation: Irritant

Sensitising effects

Based on available data, the classification criteria are not met.
Not classified.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.
Carcinogenicity: Not classified.
Mutagenicity: Not classified.
Teratogenicity: Not classified.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure. (Quartz)
STOT - Single exposure: Not classified.
STOT - Repeated exposure: Category 2 [May cause damage to organs through prolonged or repeated exposure.]
Aspiration hazard: Not classified.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

Causes skin irritation.
Causes serious eye damage.

Additional information on tests

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

Practical experience**Other observations**

Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.

SECTION 12: Ecological information**12.1. Toxicity**

Ecological data are not available.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

12.6. Other adverse effects

Low hazard to waters.

Further information

Do not flush into surface water or sanitary sewer system.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Asplit® HES Powder

Revision date: 11.11.2019

Product code: 00359-1162

Page 7 of 9

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.
Where possible recycling is preferred to disposal.

List of Wastes Code - residues/unused products

080299 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of other coatings (including ceramic materials); wastes not otherwise specified

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Asplit® HES Powder

Revision date: 11.11.2019

Product code: 00359-1162

Page 8 of 9

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

EU regulatory information

2004/42/EC (VOC): 0 %
Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III):

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
IMDG = International Maritime Code for Dangerous Goods
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization
MARPOL = International Convention for the Prevention of Pollution from Ships
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals
CAS = Chemical Abstract Service
EN = European norm
ISO = International Organization for Standardization
DIN = Deutsche Industrie Norm
PBT = Persistent Bioaccumulative and Toxic
vPvB = Very Persistent and very Bio-accumulative
LD = Lethal dose
LC = Lethal concentration
EC = Effect concentration
IC = Median immobilisation concentration or median inhibitory concentration

Relevant H and EUH statements (number and full text)

H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H372 Causes damage to organs (lung) through prolonged or repeated exposure if inhaled.
H372 Causes damage to organs through prolonged or repeated exposure.

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Asplit® HES Powder

Revision date: 11.11.2019

Product code: 00359-1162

Page 9 of 9

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)