





## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Asplit® HES Powder

Revision date: 05.09.2017

Product code: 00359-1162

Page 2 of 8

P314 present and easy to do. Continue rinsing.  
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	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
1344-09-8	Sodium silicate			< 20 %
	215-687-4		01-2119448725-31	
	Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H315 H318 H335			
14808-60-7	Quartz			< 10 %
	231-545-4			
	STOT RE 1; H372			

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

May cause 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.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Asplit® HES Powder

Revision date: 05.09.2017

Product code: 00359-1162

Page 3 of 8

#### 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.

##### Advice on storage compatibility

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

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Asplit® HES Powder**

Revision date: 05.09.2017

Product code: 00359-1162

Page 4 of 8

**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 (EN 368).

**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****Changes in the physical state**

Flash point:	n.a.
Lower explosion limits:	n.a.
Upper explosion limits:	
Ignition temperature:	n.a.
Density (at 20 °C):	~ 1,06 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	More or less insoluble

**9.2. Other information**

No data available.

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

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

Stable under normal conditions.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Asplit® HES Powder**

Revision date: 05.09.2017

Product code: 00359-1162

Page 5 of 8

**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**

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

**Irritation and corrosivity**

Causes serious eye damage.  
Causes skin irritation.  
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**

May cause damage to organs (lung) through prolonged or repeated exposure if inhaled. (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.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Asplit® HES Powder

Revision date: 05.09.2017

Product code: 00359-1162

Page 6 of 8

#### **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.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Advice on disposal**

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

##### **Waste disposal number of waste from 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)**

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

#### **Inland waterways transport (ADN)**

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

#### **Marine transport (IMDG)**

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

#### **Air transport (ICAO-TI/IATA-DGR)**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Asplit® HES Powder**

Revision date: 05.09.2017

Product code: 00359-1162

Page 7 of 8

- 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.

**Other applicable information**

No hazardous material as defined by the transport regulations.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC): 0 %

**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.

Water contaminating class (D): 1 - slightly water contaminating

**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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Asplit® HES Powder**

Revision date: 05.09.2017

Product code: 00359-1162

Page 8 of 8

**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 through prolonged or repeated exposure.
H373	May cause damage to organs (lung) through prolonged or repeated exposure if inhaled.

**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)

---

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