



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Asplit® CN 916 Solution

Revision date: 22.10.2019

Product code: 00359-1164

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#### Pictograms:



#### Hazard statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H412	Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapour.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.

#### Special labelling of certain mixtures

Restricted to professional users.

#### 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.  
Vapours may form explosive mixture with air.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Mixture containing following substances with additives

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64-17-5	Ethanol			< 10 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			
108-95-2	Phenol			< 5 %
	203-632-7	604-001-00-2	01-2119471329-32	
	Muta. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, STOT RE 2, Aquatic Chronic 2; H341 H331 H311 H301 H314 H373 H411			
98-00-0	Furfuryl alcohol			< 5 %
	202-626-1	603-018-00-2	01-2119493965-18	
	Carc. 2, Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2, STOT SE 3, STOT RE 2; H351 H331 H312 H302 H319 H335 H373			
50-00-0	formaldehyde			< 0,5 %
	200-001-8	605-001-00-5	01-2119488953-20	
	Carc. 1B, Muta. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Skin Sens. 1A; H350 H341 H331 H311 H301 H314 H317			
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine			~ 0,1 %
	217-164-6		01-2119970215-39	
	Eye Dam. 1, Skin Sens. 1; H318 H317			

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 contaminated soaked clothing immediately.
- In the event of persistent symptoms receive medical treatment.
- Take away from danger area and lay down affected person.

#### After inhalation

- Move to fresh air in case of accidental inhalation of vapours.
- Seek medical treatment immediately.

#### After contact with skin

- Wash off immediately with soap and plenty of water.
- Consult a physician.

#### After contact with eyes

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Consult (eye) doctor immediately.

#### After ingestion

- Do not induce vomiting.
- Summon a doctor immediately.
- Rinse out mouth and give plenty of water to drink.
- Never give anything by mouth to an unconscious person.
- Induce vomiting only upon the advice of a physician.

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

- May cause cancer.
- Harmful if swallowed.



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Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
Suspected of causing genetic defects.

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

Treat symptoms.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.

##### **Unsuitable extinguishing media**

Full water jet

#### **5.2. Special hazards arising from the substance or mixture**

Fire may produce:

carbon monoxide and carbon dioxide

Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective suit.

#### **Additional information**

Vapours are heavier than air and spread along ground.

The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

Cool containers at risk with water spray jet.

Collect contaminated firefighting water separately, must not be discharged into the drains.

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 vapour formation use respirator.

Ensure adequate ventilation.

Remove persons to safety.

Use personal protective clothing.

Keep away sources of ignition.

#### **6.2. Environmental precautions**

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

Do not discharge into the subsoil/soil.

#### **6.3. Methods and material for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for 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.

Vapours are heavier than air and spread along ground.

Use only in thoroughly ventilated areas.

Provide suitable extraction at the processing machines.

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**Advice on protection against fire and explosion**

- Keep away from heat and sources of ignition.
- Do not smoke.
- Take precautionary measures against static discharges.
- Use only explosion-proof equipment.

**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.
- Pay attention to anti-explosion rules.
- Recommended storage temperature: < 20°C

**Hints on joint storage**

- Incompatible with acids.

**Further information on storage conditions**

- Keep away from food, drink and animal feeding stuffs.

**7.3. Specific end use(s)**

Mortar

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
50-00-0	Formaldehyde	2	2.5		TWA (8 h)	WEL
		2	2.5		STEL (15 min)	WEL
108-95-2	Phenol	2	7.8		TWA (8 h)	WEL
		4	16		STEL (15 min)	WEL

**8.2. Exposure controls****Appropriate engineering controls**

- Ensure adequate ventilation, especially in confined areas.
- Pay attention to explosion protection guidelines.

**Protective and hygiene measures**

- Do not inhale vapours.
- Wash hands before breaks and immediately after handling the product.
- When using do not eat, drink or smoke.
- Treat subsequently with skin cream.
- Remove and wash contaminated clothes before re-use.

**Eye/face protection**

- Tightly fitting goggles (EN 166).
- Eye wash bottle with pure water (EN 15154).

**Hand protection**

- Protective gloves resistant to chemicals made off viton, minimum coat thickness 0.7 mm, permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Vitoject 890> made by www.kcl.de. 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.

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**Skin protection**

Long sleeved clothing (DIN EN ISO 6530)  
Solvent-resistant apron (EN 467).

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

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

Physical state: Liquid  
Colour: Yellow - brown  
Odour: Characteristic

**Test method**

pH-Value: n.d.

**Changes in the physical state**

Melting point: n.d.  
Initial boiling point and boiling range: 60 - 100 °C  
Sublimation point: n.a.  
Softening point: n.d.  
Flash point: 33 °C DIN EN ISO 1523

**Flammability**

Solid: n.a.  
Gas: n.a.

**Explosive properties**

The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated.

Lower explosion limits: 3,5 vol. %  
Upper explosion limits: 15 vol. %  
Ignition temperature: > 210 °C

**Auto-ignition temperature**

Solid: n.a.  
Gas: n.a.

Decomposition temperature: 84 °C

**Oxidizing properties**

Not oxidising.

Vapour pressure: ~ 57 hPa  
(at 20 °C)

Density: 1,1 g/cm<sup>3</sup>

Bulk density: n.a.

Water solubility: Partially soluble  
(at 20 °C)

**Solubility in other solvents**

n.d.

Partition coefficient: n.d.

Viscosity / dynamic: ~ 700 mPa·s ISO 3219  
(at 23 °C)

Viscosity / kinematic: n.d.

Flow time: n.d.



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Vapour density: n.d.  
Evaporation rate: n.d.  
Solvent separation test: n.d.

#### **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.

#### **10.3. Possibility of hazardous reactions**

Exothermic reaction with strong acids.

#### **10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.  
Vapour/air mixtures are explosive at intensive warming.  
Heating can release vapours which can be ignited.  
Avoid temperatures above 25°C .

#### **10.5. Incompatible materials**

Acids.

#### **10.6. Hazardous decomposition products**

Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).  
Carbon monoxide and carbon dioxide

### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

##### **Acute toxicity**

Harmful if swallowed.  
ATEmix/oral: 1400 mg/kg  
ATEmix/dermal: > 2000 mg/kg  
ATEmix/inhalation: > 20 mg/l/4 h (vapour)

##### **Irritation and corrosivity**

Causes severe skin burns and eye damage.

##### **Sensitising effects**

May cause an allergic skin reaction. (formaldehyde; N-(3-(trimethoxysilyl)propyl)ethylenediamine)

##### **Carcinogenic/mutagenic/toxic effects for reproduction**

Suspected of causing genetic defects. (Phenol; formaldehyde)  
May cause cancer. (formaldehyde)  
Reproductive toxicity: Based on available data, the classification criteria are not met.

##### **STOT-single exposure**

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

##### **STOT-repeated exposure**

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

##### **Aspiration hazard**

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

##### **Additional information on tests**

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

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#### SECTION 12: Ecological information

##### 12.1. Toxicity

Ecological data are not available.  
Harmful to aquatic life with long lasting effects.

##### 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

Hazardous water pollutant.

##### Further information

Do not flush into surface water or sanitary sewer system.

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

###### Disposal recommendations

Can be incinerated, when in compliance with local regulations.  
Where possible recycling is preferred to disposal.

###### List of Wastes Code - residues/unused products

080409 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 adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

###### Contaminated packaging

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:

UN 2924

###### 14.2. UN proper shipping name:

FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Ethanol, Phenol)

###### 14.3. Transport hazard class(es):

3

###### 14.4. Packing group:

III

Hazard label:

3+8



Classification code:

FC

Limited quantity:

5 L / 30 kg

Excepted quantity:

E1

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Transport category: 3  
Hazard No: 38  
Tunnel restriction code: D/E

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 2924  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Ethanol, Phenol)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3+8



Classification code: FC  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E1

#### Marine transport (IMDG)

**14.1. UN number:** UN 2924  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Ethanol, phenol)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3+8



Marine pollutant: No  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E1  
EmS: F-E, S-C

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

**14.1. UN number:** UN 2924  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Ethanol, phenol, solution)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3+8



Limited quantity Passenger: 1 L  
Passenger LQ: Y342  
Excepted quantity: E1  
IATA-packing instructions - Passenger: 354  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 365  
IATA-max. quantity - Cargo: 60 L

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no



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#### **14.6. Special precautions for user**

Handle in accordance with good industrial hygiene and safety practice.

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

The transport takes place only in approved and appropriate packaging.

### SECTION 15: Regulatory information

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

##### **EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 28: formaldehyde

2004/42/EC (VOC): &lt; 20 %

Information according to 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

##### **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.

##### **Additional information**

Consider Chemical prohibition regulation.

#### **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)**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

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H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**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)

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