Revision date: 28/04/2015 Revision: 2 Supersedes date: 20/04/2009



# SAFETY DATA SHEET Hyseal No. 1

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

### 1.1. Product identifier

Product name Hyseal No. 1 Product number 7553/11543

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

Identified uses Admixture for use in Construction Industry

# 1.3. Details of the supplier of the safety data sheet

Mix UK Ltd Supplier

Suite C

St Mary's Studios St Mary's Road, Bowden

**CHESHIRE WA14 2PL** 

Tel: 0161 333 2512 Fax: 0161 332 1932

# 1.4. Emergency telephone number

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification

Physical hazards

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H335

**Environmental hazards** Not Classified

Classification (67/548/EEC or Xi;R37/38,R41. R43.

1999/45/EC)

**Environmental** The product is not expected to be hazardous to the environment.

# 2.2. Label elements

#### **Pictogram**





Signal word Danger

**Hazard statements** H315 Causes skin irritation.

> H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.

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**Precautionary statements** P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P501 Dispose of contents/container in accordance with national regulations.

Contains Cement

Supplementary precautionary

P261 Avoid breathing vapour/spray.

statements

P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P310 Immediately call a POISON CENTER/doctor.
P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

#### 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Cement	50-100
CAS number: —	
Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315	Xi;R37/38,R41. R43.
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
STOT SE 3 - H335	

Silica Sand

CAS number: 14808-60-7

EC number: 238-878-4

Classification (67/548/EEC or 1999/45/EC)

Not Classified -

SODIUM CARBONATE 5-15%

CAS number: 497-19-8 EC number: 207-838-8 REACH registration number: 01-

2119485498-19-XXXX

Classification Classification (67/548/EEC or 1999/45/EC)

Eye Irrit. 2 - H319 Xi;R36



Tartaric Acid DL(-) Synthetic 1-5%

CAS number: 133-37-9 EC number: 205-105-7

Classification Classification (67/548/EEC or 1999/45/EC)

Eye Irrit. 2 - H319 Xi;R36.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

Inhalation Move affected person to fresh air at once. If in doubt, get medical attention promptly.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly

get affected person to drink large volumes of water to dilute the swallowed chemical. Give

milk instead of water if readily available. Get medical attention immediately.

Skin contact Remove contaminated clothing. Wash skin thoroughly with soap and water. Use suitable

lotion to moisturise skin. Get medical attention if any discomfort continues. Chemical burns

must be treated by a physician.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15

minutes. Get medical attention immediately. Continue to rinse.

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

**Inhalation** Frequent inhalation of dust over a long period of time increases the risk of developing lung

diseases.

**Ingestion** May cause stomach pain or vomiting. May cause chemical burns in mouth and throat.

**Skin contact** Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Prolonged contact with moist or wet product may cause burns. May cause sensitisation by

skin contact.

**Eye contact** Severe irritation, burning and tearing.

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

Notes for the doctor Treat symptomatically. If in doubt, get medical attention promptly.

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

### 5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

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

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion

products

Does not decompose when used and stored as recommended.

### 5.3. Advice for firefighters

Protective actions during

firefighting

If risk of water pollution occurs, notify appropriate authorities. Control run-off water by

containing and keeping it out of sewers and watercourses.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

### SECTION 6: Accidental release measures



#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions** Spillages or uncontrolled discharges into watercourses must be reported immediately to the

Environmental Agency or other appropriate regulatory body.

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

Methods for cleaning up Do not touch or walk into spilled material. Sweep up and remove for disposal. Residues or

small spillages may be flushed away with water. Inform authorities if large amounts are

involved.

#### 6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. Collect and

dispose of spillage as indicated in Section 13.

# SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions**Avoid spilling. Avoid generation and spreading of dust. Avoid contact with skin and eyes.

Avoid breathing dust. Wear protective clothing as described in Section 8 of this safety data

sheet.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

### Occupational exposure limits

Silica Sand

Long-term exposure limit (8-hour TWA): WEL 0.3 mg/m3 resp.dust

**SODIUM CARBONATE** 

Long-term exposure limit (8-hour TWA): WEL 5 mg/m3 resp.dust

WEL = Workplace Exposure Limit

### SODIUM CARBONATE (CAS: 497-19-8)

Ingredient comments WEL = Workplace Exposure Limits

**DNEL** Workers - Inhalation; Long term local effects: 10 mg/m³

# 8.2. Exposure controls

#### Protective equipment









Appropriate engineering

controls

No specific ventilation requirements.

**Eye/face protection** The following protection should be worn: Chemical splash goggles.

Hand protection It is recommended that chemical-resistant, impervious gloves are worn.

Other skin and body

protection

Wear appropriate clothing to prevent skin contact.

**Hygiene measures** Do not eat, drink or smoke when using this product.

Respiratory protection Respiratory protection must be used if the airborne contamination exceeds the recommended

occupational exposure limit. Protection against nuisance dust must be used when the airborne

concentration exceeds 10 mg/m3.

#### **SECTION 9: Physical and Chemical Properties**

### 9.1. Information on basic physical and chemical properties

Appearance Granules.

Colour Beige.

Odour No characteristic odour.

Solubility(ies) Insoluble in water.

9.2. Other information

Other information Not available.

### SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product. When mixed with water,

an exothermic reaction will occur. Cementitious products will then harden into a stable mass

that is not reactive to normal environments.

10.2. Chemical stability

**Stability** No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous

Will not polymerise.

reactions

10.4. Conditions to avoid

Conditions to avoid Water, moisture.

10.5. Incompatible materials

Materials to avoid Aluminium.

10.6. Hazardous decomposition products

Hazardous decomposition

Does not decompose when used and stored as recommended.

products

# **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

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**Inhalation** Dust may irritate the respiratory system. Symptoms following overexposure may include the

following: Coughing. Shortness of breath.

Ingestion Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal

tract.

Skin contact Prolonged contact with moist or wet product may cause burns. Repeated exposure may

cause skin dryness or cracking. May cause sensitisation by skin contact.

Eye contact Severe irritation, burning and tearing. Corneal damage. Blindness.

Acute and chronic health

hazards

Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. Prolonged and repeated contact may cause a dermatitic effect. May cause allergic

contact eczema.

# Toxicological information on ingredients.

### SODIUM CARBONATE

Acute toxicity - oral

Acute toxicity oral (LD₅o

.

mg/kg)
Species

Rat

ATE oral (mg/kg)

2,800.0

2,800.0

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> 2,001.0

\_

mg/kg) Species

Rabbit

Tartaric Acid DL(-) Synthetic

Inhalation

May cause respiratory system irritation.

Ingestion

Ingestion may cause severe irritation of the mouth, the oesophagus and the

gastrointestinal tract. May cause stomach pain or vomiting.

Skin contact

Slightly irritating.

Eye contact

Irritating.

### **SECTION 12: Ecological Information**

**Ecotoxicity** 

Low acute toxicity to aquatic organisms. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

### Ecological information on ingredients.

# Tartaric Acid DL(-) Synthetic

**Ecotoxicity** 

Low acute toxicity to aquatic organisms. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

12.1. Toxicity

**Toxicity** 

Not considered toxic to fish.



### Ecological information on ingredients.

### **SODIUM CARBONATE**

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 300 mg/l, Freshwater fish

Acute toxicity - aquatic

invertebrates

EC<sub>50</sub>, 48 hours: 200-227 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

IC<sub>50</sub>, 72 hours: >2420 mg/l, Algae

### Tartaric Acid DL(-) Synthetic

**Toxicity** Not considered toxic to fish.

## 12.2. Persistence and degradability

Persistence and degradability The product contains inorganic substances which are not biodegradable.

Ecological information on ingredients.

### Tartaric Acid DL(-) Synthetic

Persistence and degradability

There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Ecological information on ingredients.

### Tartaric Acid DL(-) Synthetic

Bioaccumulative potential Not known.

12.4. Mobility in soil

**Mobility** The product hardens to a solid, immobile substance.

Ecological information on ingredients.

#### Tartaric Acid DL(-) Synthetic

Mobility No additional information available

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

This product does not contain any substances classified as PBT or vPvB.

assessment

Ecological information on ingredients.

## Tartaric Acid DL(-) Synthetic

**Results of PBT and vPvB** This substance is not classified as PBT or vPvB according to current EU criteria. **assessment** 

### 12.6. Other adverse effects

Other adverse effects None known.



#### Ecological information on ingredients.

## Tartaric Acid DL(-) Synthetic

Other adverse effects None known.

# **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority.

# **SECTION 14: Transport information**

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

# 14.3. Transport hazard class(es)

Transport labels

### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

# 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk according to** Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

## **SECTION 15: Regulatory information**

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

**EU legislation** Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16

December 2008 on classification, labelling and packaging of substances and mixtures (as

amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

# **SECTION 16: Other information**

Revision comments Revision is in accordance with Commission Regulation (EC) No 1272/2008

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**SDS number** 7553/11543

Risk phrases in full R36 Irritating to eyes.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

Hazard statements in full H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

