

## MATERIAL SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name: FORMALIZE  
 CAS number: 57-13-6  
 EINECS number: 200-315-5  
 Synonyms: 4% Formaldehyde Neutraliser  
 Reach Reg. Number: 01-2119463277-33  
 Brand: Solmedia Ltd

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

Use of Substance/mixture: – Industrial application, Chemical Intermediate  
 Use advised against: - All other uses

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

- Name of Supplier: Solmedia Ltd.  
 - Address of Supplier: Unit 2, Vernon Drive  
 Battlefield Enterprise Park  
 Shrewsbury  
 SY1 3TF  
 UK  
 - Telephone: 0844 80 80 900  
 - Email: labsupplies@solmedialtd.com

#### 1.4 Emergency telephone number

Emergency Phone # +44 (0)844 80 80 900

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification under CLP: Not a hazardous substance

#### 2.2 Label elements

##### Label elements under CLP:

Hazard statements: Not required  
 Signal words: Not required  
 Hazard pictograms: Not required

**Precautionary statements:** Not required

### 2.3 Other hazards

None

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

UREA

EINECS	CAS	CHIP CLASSIFICATION	CLP CLASSIFICATION	REACH Registration Number
200-315-5	57-13-6	-	-	01-2119463277-33

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Skin contact:** Remove all contaminated clothes. Wash immediately with plenty of soap and water. Get medical attention if any discomfort persists

**Eye contact:** Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

**Ingestion:** Rinse mouth with water (do not swallow. Get medical attention if any discomfort continues

**Inhalation:** Move exposed person to fresh air at once  
Rinse the nose and mouth with water. Get medical attention if any discomfort continues.

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

**Skin contact:** Prolonged skin contact may cause irritation and redness

**Eye contact:** May cause temporary eye irritation

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

No recommendations given. First Aid may be required in cases of accidental exposure, inhalation or ingestion. If in doubt GET MEDICAL ATTENTION PROMPTLY.

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## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Alcohol resistant foam. Carbon dioxide. Dry chemical powder, or water spray

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

Fire Creates: Toxic gases/vapours/fumes of Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>)

Nitrogen oxides may be formed

Decomposition products may include ammonia

Amines

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus and full protective clothing must be worn in case of a fire.

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## **SECTION 6: Accidental release measures**

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

Wear protective clothing as per section 8

Avoid contact with skin and eyes

### **6.2 Environmental precautions**

If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities.

### **6.3 Methods and materials for containment and cleaning up**

Avoid raising dust, sweep or shovel-up spillage and remove to a safe place.

Place in appropriate container. Remove contaminated material to safe location for subsequent disposal. Flush spill area with copious amounts of water

### **6.4 Reference to other sections**

See section 13

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

**Handling requirements:** Avoid spilling, skin and eye contact

Avoid raising dust

Keep away from heat, sparks and open flames

Provide good ventilation

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## 7.2 Conditions for safe storage, including any incompatibilities

**Storage conditions:** Keep in original container  
Keep in a cool dry, well ventilated place

## 7.3 Specific end use(s)

No other specific uses

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No exposure limits have been set for this substance

- DNEL (dermal) 580 mg/kg (Industrial, short term systemic effects)
- DNEL (Inhalational) 292 mg/m<sup>3</sup> (Industrial, short term systemic effects)
- DNEL (dermal) 580 mg/kg (Industrial, long term systemic effects)
- DNEL (Inhalational) 292 mg/m<sup>3</sup> (Industrial, long term systemic effects)
- PNEC (fresh water) 0.047 mg/l

### 8.2 Exposure controls

**Engineering measures:** Provide adequate ventilation

**Respiratory protection:** No personal respiratory equipment normally required, in adequately ventilated areas, but protection against nuisance dusts must be used when the general level exceeds 10mg/m<sup>3</sup>. Where workplace limits are exceeded use particulate filter to EN149.

**Hand protection:** Handle with gloves. Gloves should meet requirements of EN374. Check breakthrough times with supplier. Gloves should be inspected before use. Change gloves frequently. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves in accordance with applicable legislation and good laboratory practise.

**Eye protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection:** The type of protective equipment must be selected according to the concentration and amount of the substance at the specific workplace.

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

<b>State:</b>	Solid, white
<b>Colour:</b>	Ammonia odour
<b>pH:</b>	7.2 – 9.5 (10% solution)
<b>Melting Point/Range:</b>	113 – 134
<b>Boiling Point/Range</b>	Not known
<b>Flashpoint</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flammability</b>	Not available
<b>Vapour Pressure</b>	0.0000016 kPa20C
<b>Vapour Density</b>	Not available
<b>Specific Gravity</b>	Not applicable
<b>Solubility in water</b>	62.4 (g100gH2O@20C)
<b>Partition Coefficient</b>	(n-Octanol/Water): Log Pow -1.73
<b>Autoignition Temperature</b>	Not applicable
<b>Viscosity</b>	Not applicable
<b>Explosive Properties</b>	Not available
<b>Oxidising Properties</b>	Not available

**9.2 Other safety information**

No data available

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

Reacts with oxidizing substances  
Reacts with acids and alkalis  
Amines  
hypochlorite's

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## **10.2 Chemical stability**

Stable under normal conditions and recommended use

## **10.3 Possibility of hazardous reactions**

None under normal conditions.

## **10.4 Conditions to avoid**

Avoid exposure to high temperatures or direct sunlight

Keep away from air and sunlight

## **10.5 Incompatible materials**

Strong alkalis, strong oxidising substances, strong acids, inorganic nitrates, Organic nitrates, Inorganic nitrides.

## **10.6 Hazardous decomposition products**

Fire creates: Toxic gases/vapours/ fumes of Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

Nitrogen, Ammonia or amines

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## **SECTION 11: Toxicological information**

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

UREA

LD<sub>50</sub> (oral, rat) 143000 mg/kg

#### **Symptoms / routes of exposure**

<b>Skin contact:</b>	Prolonged contact may cause redness and pain
<b>Eye contact:</b>	Particles in the eye may cause irritation and smarting
<b>Ingestion:</b>	May cause discomfort if swallowed
<b>Inhalation:</b>	Dust in high concentrations may irritate the respiratory system

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## **SECTION 12: Ecological information**

Not regarded as dangerous for the environment

### **12.1 Toxicity**

Not considered toxic to fish

- LC<sub>50</sub> (golden orfe (*Leuciscus idus*)) > 6810 mg/l (96 hr)

- IC<sub>50</sub> (algae) 47 mg/l (192 hr)

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## **12.2 Persistence and degradability**

The product is biodegradable

## **12.3 Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating

## **12.4 Mobility in soil**

Completely soluble in water

## **12.5 Results of PBT and vPvB assessment**

This product is not identified as a PBT/vPvB substance.

## **12.6 Other adverse effects**

No data available.

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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

Water to be considered as controlled waste. Disposal to licensed waste contractor in accordance with local waste management.

**Disposal operations:** Dispose of contents/container to an authorized waste collection point. Make sure containers are empty before disposing of

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

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## **SECTION 14: Transport information**

### **14.1 UN Number**

Not applicable

### **14.2 UN Proper Shipping Name**

Not applicable

### **14.3 Transport Hazard Class**

Not applicable

### **14.4 Packing Group**

Not applicable

### **14.5 Environmental Hazards**

Not classified

#### **14.6 Special Precautions for User**

Not classified

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### **SECTION 15: Regulatory information**

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

All components of this preparation are registered on the European Inventory of Existing Chemical Substances (EINECS)

Refer to current CPL Regulations

Refer to current COSHH Regulations

Refer to Health and Safety at Work ACT

#### **15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out.

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### **SECTION 16: Other information**

#### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.