

MATERIAL SAFETY DATA SHEET

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

1.1 Product identifiers

Product name: FORMALIZE
 Product codes: FNA001, FNA002
 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

SECTION 3: Composition/information on ingredients

3.1 Substances

Substances are not classified as hazardous or are below disclosure limits.

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.

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 (CO₂)
 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.

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

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

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Keep in original container and a well-ventilated place. Store at between 5 and 35 degrees Celsius. Keep away from sources or ignition and hot surfaces. Also do not keep with strong acids bases and oxidising agents

7.3 Specific end use(s)

No other specific uses

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/m³ (Industrial, short term systemic effects)
- DNEL (dermal) 580 mg/kg (Industrial, long term systemic effects)
- DNEL (Inhalational) 292 mg/m³ (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 ³ . 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.

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

State:	Solid, white
Colour:	Ammonia odour

pH:	<10 (10% solution)
Melting Point/Range:	113 – 134
Boiling Point/Range	> 100 degrees Celsius.
Flashpoint	Not available
Evaporation Rate	Not available
Flammability	Not available
Vapour Pressure	<0.1 hPa @20 degrees Celsius
Vapour Density	0.74 – 1.34 @20 degrees Celsius
Specific Gravity	Not applicable
Solubility in water	62.4 (g100gH ₂ O@20C)
Partition Coefficient	(n-Octanol/Water): Log Pow -1.73
Autoignition Temperature	Not applicable
Viscosity	Not applicable
Explosive Properties	Not available
Oxidising Properties	Not available

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

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

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 (CO₂)

Nitrogen, Ammonia or amines

SECTION 11: Toxicological information

11.1 Information on toxicological effects

UREA

LD50 (oral, rat) 143000 mg/kg

Symptoms / routes of exposure

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

SECTION 12: Ecological information

Not regarded as dangerous for the environment

12.1 Toxicity

Not considered toxic to fish

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.

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

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

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.

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.