

# SAFETY DATA SHEET: AC21 LIVING STEAM

Page 1/4

Revised Date: 10 June 2015

## Section 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING.

### 1.1 Product Identifier

Product name: LIVING STEAM

Product No.

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

Intended for use as smoke oil for model railways.

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

Supplier: Deluxe Materials Limited, Unit 13 Cufaude Business Park, Cufaude Lane, Bramley,  
Hampshire RG26 5DL, United Kingdom

T: + 44 (0) 1256 883944

F: + 44 (0) 1256 883966

info@deluxematerials.com

1.4 Emergency telephone number: + 44 (0) 1256 883944 Office hours only.

---

## Section 2: HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification** (EC 1272/2008)

Physical and Chemical

Hazards

Human health

Environment

**Classification** (1999/45/EEC)

Classification under CHIP: Not classified as dangerous for supply according to directive 1999/45/EC.

Classification under CLP: Not classified for supply.

### 2.2 Label elements

This product has no label elements under CLP as it is not classified.

### **Contains**

Label in accordance with (EC) No. 1272/2008

### 2.3 Other hazards

---

## Section 3: COMPOSITION /INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Contains fragrance at 1%: multi component mixture of natural and synthetic aromatic materials.

Composition Comments

The remaining components are trade secret. Not classified for supply.

---

## Section 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation: Remove casualty from exposure ensuring one's own safety while doing so.

Ingestion: Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Skin contact: Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation occurs after washing.

Eye contact: Flush immediately with water for at least 15 minutes. Seek medical advice if symptoms persist.

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

Skin contact: There may be mild irritation at the site of contact.

## Page 2 Living Steam

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation:

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

Not applicable.

---

## Section 5: FIREFIGHTING AND MEASURES

5.1 Extinguishing media: Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.

5.2 Special hazards arising from the substance or mixture: In combustion emits toxic fumes.

5.3 Advice for firefighters: Wear protective clothing to prevent contact with skin and eyes.

---

## Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: Ensure sufficient ventilation of the area.

6.2 Environmental precautions: Keep away from drains, surface and ground water and soil.

6.3 Methods and material for containment and cleaning up: Absorb into dry earth or sand. Transfer to a suitable container. Wash the spillage site with large amounts of water.

6.4 Reference to other sections: not applicable.

---

## Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling: Handle in accordance with good hygiene practices and ensure good ventilation.

7.2 Conditions for safe storage, including any incompatibilities: Store in cool, well-ventilated area. Keep container tightly closed.

7.3 Specific end use(s)

---

## Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Workplace exposure limits: Not applicable

8.2 Exposure controls

### **Protective equipment**

**Engineering measures:** Ensure sufficient ventilation of the area.

**Respiratory equipment:**

**Hand protection:** Protective gloves

**Eye protection:** Safety goggles

**Other protection:** Protective clothing.

**Hygiene measures**

---

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Colour: Pale yellow

Odour: Characteristic

Initial boiling point and boiling range (°C): 200C

Relative density: < 1

Viscosity: 32MPas

Flash point (°C) : > 100 C

9.2 Other information: Not applicable

---

## Section 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not applicable

10.2 Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions: not applicable

10.4 Conditions to avoid: avoid open flames

## Page 3 Living Steam

10.5 Incompatible materials: Concentrated nitric acid, sulphuric acid, strong oxidising agents.

10.6 Hazardous decomposition products: in combustion emits toxic fumes.

---

### Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicity values.

Route	Species	Test	Value	Units
ORL	RAT	LD50	>64	g/kg

Inhalation

Ingestion

Skin contact

Eye contact

Route of entry

---

### Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

12.1 Toxicity: No data available

12.2 Persistence and degradability: Substantially biodegradable in conventional biological purification treatment.

12.3 Bioaccumulative potential: No data available.

12.4 Mobility in soil: Dispersible in water.

12.5 Results of PBT and vPvB assessment: Not identified as a PBT substance

12.6 Other adverse effects: Not applicable.

---

### Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods: Must be disposed of in accordance with local and national regulations.

---

### Section 14: TRANSPORT INFORMATION

14.1 UN number Not classified for transport.

UN No. (ADSR/RID/ADN) Not applicable

UN No. (IMDG) Not applicable

UN No. (ICAO) Not applicable

14.2 un PROPER SHIPPING NAME Not applicable

14.3 Transport hazard class(es) Not applicable

ADR/RID/AND Class

ADR Label No.

IMDG Class

ICAO Class/Division

Transport labels

14.4 Packing group Not applicable

ADR/RID/AND Packing group

IMDG Packing group

ICAO Packing group

14.5 Environmental hazards: Not classified as environmentally hazardous according to UN model regulations (IMDG, ADR, RID and AND)

14.6 Special precautions for user: Must be disposed of in accordance with local and national regulations.

EMS

Emergency Action Code

Hazard No. (ADR)

Tunnel Restriction Code

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: product will not be transported in bulk.

---

### Section 15: REGULATORY INFORMATION

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

---

## Page 4 **Living Steam**

Not applicable.

**Statutory instruments.**

**Approved Code of Practice**

**Guidance notes**

15.2: Chemical Safety Assessment

---

—

Section 16: OTHER INFORMATION

Revision Date

Revision

Supersedes date

Risk Phrases in Full: Not applicable

Hazard Statements in Full: Not applicable

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

---