1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Commercial Product Name: EcoComp UV-L Resin
Use of the substance/preparation: Photosensitive Resin
Manufacturer, importer, supplier: SUSTAINABLE COMPOSITES Ltd
New Portreath Road, REDRUTH
CORNWALL, TR16 4QL
Telephone: + (44) 01209 843484
Telefax: + (44) 01209 843488

General Emergency Telephone Number: Poison – Antidote Centre +49 551 19240

2. HAZARDS IDENTIFICATION

- Hazard description:
  Xi Irritant

- Information concerning particular hazards for human and environment:
  This product has to be labeled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.
  R 43 May cause sensitization by skin contact.
  R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- Classification: R43-R52/53
- Additional information:
  Contains antimony salts. Repeated contact may cause allergic reactions in very susceptible persons.

3. COMPOSITION/INFORMATION ON INGREDIENTS

- Chemical characterization
- Description: Modified linseed oil with additives
- Dangerous components:

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<tbody>
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<td>Photoinitiator</td>
<td>Xi, N</td>
<td>R 36-4350/53 ≤ 2.5%</td>
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<td>Xi</td>
<td>R 36</td>
<td>≤ 2.5%</td>
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- Additional information: For the wording of the listed risk phrases refer to section 16.
4. FIRST AID MEASURES

- **After Inhalation:**
  Supply fresh air and to be sure call a doctor.
  In case of unconsciousness, place patient stably in side position for transportation.

- **After skin contact:**
  Immediately wash with water and soap and rinse thoroughly.
  If skin irritation continues, consult a doctor.

- **After eye contact:**
  Rinse opened eye for several minutes under running water. Consult a doctor if reaction occurs.

- **After swallowing:**
  If symptoms persist call a doctor.

5. FIRE-FIGHTING MEASURES

- **Suitable extinguishing agents:**
  Use dry chemical, CO2, water spray or alcohol resistant foam.

- **For safety reasons unsuitable extinguishing agents:** water with full jet

- **Protective equipment:** Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

- **Person-related safety precautions:** Not required.

- **Measures for environmental protection:**
  Do not allow to enter sewers/ surface or ground water.
  Inform respective authorities in case of seepage into water course or sewage system.

- **Measures for cleaning/collection:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. HANDLING AND STORAGE

- **Handling:**
  - Information for safe handling:
    Keep receptacles tightly sealed.
    Keep away from heat and direct sunlight.

- **Information about fire - and explosion protection:** No special measures required.

- **Storage:**
  - Requirements to be met by storerooms and receptacles:
    Store only in the original receptacle.
    Due to photo-sensitivity, store product in brown-glass or stainless steel receptacles.
  
  - Information about storage in one common storage facility: Not required.
  
  - Further information about storage conditions: None.
  
  - Maximum storage temperature: 40°C
  
  - Minimum storage temperature: 10°C
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**
    Immediately remove all soiled and contaminated clothing
    Wash hands before breaks and at the end of work.
  - **Respiratory protection:** Not required.
  - **Protection of hands:** Protective gloves
    Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - **Material of gloves:**
    Recommended thickness of the material: $\geq 0.3$ mm
    The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  - **Penetration time of glove material:** Value for the permeation: Level $\geq 6$
    The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - **For the permanent contact gloves made of the following materials are suitable:**
    Butyl rubber, BR
    Nitrile rubber, NBR
  - **As protection from splashes gloves made of the following materials are suitable:**
    Nitrile rubber, NBR
  - **Eye protection:** Goggles recommended during use and refilling containers.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **General information**
  - **Form**
    liquid
  - **Colour**
    light brown
  - **Odour**
    slight
  - **Change in condition**
    - **Melting point/range**
      approx. 0°C
    - **Boiling point/range**
      not applicable
  - **Flash point**
    $> 140$°C
  - **Ignition temperature**
    $> 300$°C
  - **Self-igniting**
    this product is not selfigniting.
  - **Danger of explosions**
    This product does not present an explosion hazard.
  - **Vapour pressure @ 20°C**
    0 hPa
  - **Density @ 20°C**
    1.03 g/cm$^3$ (20°C)
  - **Solubility in / miscibility**
    with water: not miscible or difficult to mix
section 9 cont.

- **Viscosity**: approx. 1500 mPa·s (20°C)
- **Solvent content**:
  - Organic solvents: 1.5%
  - Organic solvents: 1.5%
- **VOC (EC)**: 0.00%

10. **STABILITY AND REACTIVITY**

- **Thermal decomposition /Conditions to be avoided**: No decomposition if used and stored according to specifications.
- **Material to be avoided**: Do not store together with reducing agents, heavy metal compounds, acids and alkalis.
- **Dangerous reactions**: Contact with strong acids releases hydrogen fluoride.
- **Dangerous decomposition products**: Hydrogen fluoride

11. **TOXICOLOGICAL INFORMATION**

- **Acute toxicity**:
- **Primary irritant effect**:
  - on the skin: No irritant effects known.
  - on the eye: No irritant effects known.
- **Sensitization**: Sensitization possible through skin contact. (OECD 429)
- **Additional toxicological information**: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant
- **Sensitisation**: May cause sensitisation by skin contact.

12. **ECOLOGICAL INFORMATION**

- **Ecotoxicological effects**:
- **Remark**: Harmful to fish
- **General notes**:
  - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - Harmful to aquatic organisms
13. DISPOSAL CONSIDERATIONS

- Product:
- Recommendation
  Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packaging:
- Recommendation:
  Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14. TRANSPORT INFORMATION

- UN number: not applicable
- Maritime transport IMDG:
- Marine pollutant: No

15. REGULATORY INFORMATION

- Labelling according to EU guidelines:
  Observe the general safety regulations when handling chemicals.
  The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- Code letter and hazard designation of product:
  Xi Irritant

- Hazard determining components of labeling: Photoinitiator

- R-phrase (s)
  R43    May cause sensitization by skin contact.
  R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- S-phrase(s)
  S24/25 Avoid contact with skin and eyes.
  S37    Wear suitable gloves.
  S61    Avoid release to the environment. Refer to special instructions/Safety data sheets.
16. OTHER INFORMATION
This information is based on our present knowledge. However, this shall not constitute a
 guarantee for any specific product features and shall not establish a legally valid contractual
 relationship.

Relevant R-phrases
36        Irritating to eyes.
43        May cause sensitisation by skin contact.
50/53   Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic
 environment.

This data sheet contains changes from the previous version in section (s) 2/3/8/15