1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

   Trade name : TANATONE 3950

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

   Use of the Substance/Mixture : Colouring agent

1.3 Details of the supplier of the safety data sheet

   Company : Arch Timber Protection
              Wheldon Road
              Castleford
              United Kingdom
              WF10 2JT

   Telephone : +44 (0)1977 714000
   Telefax : +44 (0)1977 714001
   Responsible/issuing person : advice@archchemicals.com
   E-mail address

1.4 Emergency telephone number

   Emergency telephone number : +44 (0)1235 239 670

2. Hazards identification

2.1 Classification of the substance or mixture

   Classification (67/548/EEC, 1999/45/EC)
   Sensitising R43: May cause sensitization by skin contact.

2.2 Label elements

   Labelling according to EC Directives (1999/45/EC)

   Hazard pictograms : Immitant

   R-phrase(s) : R43 May cause sensitization by skin contact.
S-phrase(s) : S24 Avoid contact with skin.
          : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
          : S28 After contact with skin, wash immediately with plenty of water.
          : S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

2.3 Other hazards
not applicable

3. Composition/information on ingredients
3.2 Mixtures

Hazardous components

<table>
<thead>
<tr>
<th></th>
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<td>azo dyestuff</td>
<td></td>
<td>R43</td>
<td></td>
<td>&gt;= 20 - &lt; 25</td>
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<td>C; R34 Xi; R37</td>
<td>Skin Corr. 1B; H314 STOT SE 3; H335</td>
<td>&gt;= 0.5 - &lt; 1</td>
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</table>

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures
4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.
If inhaled : Move to fresh air.
            Keep patient warm and at rest.
            Give oxygen or artificial respiration if needed.
            When symptoms persist or in all cases of doubt seek medical advice.
In case of skin contact : Take off contaminated clothing and shoes immediately.
            Wash off immediately with plenty of water for at least 15 minutes.
            If a person feels unwell or symptoms of skin irritation appear,
            consult a physician.
            Wash contaminated clothing before re-use.
In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.
            Keep eye wide open while rinsing.
Immediate medical attention is required.

If swallowed:
- Do NOT induce vomiting.
- Never give anything by mouth to an unconscious person.
- If you feel unwell, seek medical advice (show the label where possible).

4.2 Most important symptoms and effects, both acute and delayed
Symptoms:
- See chapter 11. Toxicological information

4.3 Indication of any immediate medical attention and special treatment needed
Treatment:
- Treat symptomatically.

5. Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media:
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
  - Carbon dioxide (CO2)
  - Water spray

Unsuitable extinguishing media:
- Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture
Specific hazards during firefighting:
- The product is not flammable.
  - Do not allow run-off from fire fighting to enter drains or water courses.
  - Burning produces noxious and toxic fumes.

5.3 Advice for firefighters
Special protective equipment for firefighters:
- In the event of fire, wear self-contained breathing apparatus.
Further information:
- Standard procedure for chemical fires.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Personal precautions:
- Ensure adequate ventilation.
  - Avoid contact with the skin and the eyes.
  - Refer to protective measures listed in sections 7 and 8.
  - Wear protective gloves/ protective clothing.
  - Take off contaminated clothing and shoes immediately.
  - Wash contaminated clothing before re-use.

6.2 Environmental precautions
Environmental precautions:
- The product should not be allowed to enter drains, water courses or the soil.
6.3 Methods and materials for containment and cleaning up

Methods for cleaning up

- Soak up with inert absorbent material.
- Sand
- After cleaning, flush away traces with water.

- Pick up and transfer to properly labelled containers.
- Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Additional advice

- See chapter 8. Exposure controls/personal protection
- 13. Disposal considerations

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

- Avoid formation of aerosol.
- Avoid contact with skin and eyes.
- For personal protection see section 8.
- Smoking, eating and drinking should be prohibited in the application area.

- Use product only in closed system.

Advice on protection against fire and explosion

- Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

- Store in original container.

- Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Other data

- No decomposition if stored and applied as directed.

- Protect from frost.

7.3 Specific end uses

Specific use(s)

- Colourant to be added to TANALITH E wood preservative systems

8. Exposure controls/personal protection

8.1 Control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
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<td>hydrochloric acid</td>
<td>7647-01-0</td>
<td>TWA</td>
<td>5 ppm</td>
<td>8 mg/m3</td>
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Further information: Indicative

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<th>hydrochloric acid</th>
<th>STEL</th>
<th>10 ppm 15 mg/m³</th>
<th>2000-06-16</th>
<th>2000/39/EC</th>
</tr>
</thead>
</table>

Further information: Indicative

8.2 Exposure controls

Engineering measures

Provide adequate ventilation.

Personal protective equipment

Respiratory protection: In the case of aerosol or mist formation use respirator with an approved filter.
Half mask with a particle filter P2 (EN 143).

Hand protection: Do not wear leather gloves.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.
Gloves must be inspected prior to use.
Replace when worn.
Impervious gloves
Nitrile rubber

Eye protection: Wear protective gloves/ protective clothing/ eye protection/ face protection.
Safety glasses with side-shields

Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Impervious clothing

Hygiene measures: Avoid contact with skin, eyes and clothing.
High standards of skin care and personal hygiene should be exercised at all times.
Keep working clothes separately.
Wash hands before breaks and immediately after handling the product.
Contaminated work clothing should not be allowed out of the workplace.
When using do not eat, drink or smoke.
Take off contaminated clothing and wash before reuse.
Protective measures

Environmental exposure controls
General advice: The product should not be allowed to enter drains, water courses or the soil.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: liquid
Colour: brown
Flash point: Note: does not flash
pH: 6 - 7
Density: 1.12 g/cm³ at 25 °C
Water solubility: Note: completely soluble

9.2 Other information

Oxidising potential: Note: Not relevant

10. Stability and reactivity

10.1 Reactivity
None known.

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Note: No hazards to be specially mentioned.

10.4 Conditions to avoid
Conditions to avoid: Protect from frost.

10.5 Incompatible materials
Materials to avoid: Oxidizing agents

10.6 Hazardous decomposition products
11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity
TANATONE 3950: LD50
Species: rat
Dose: estimated > 2,000 mg/kg

Skin corrosion/irritation

Skin irritation
TANATONE 3950: Remarks: Not expected to cause irritation.

Serious eye damage/eye irritation

Eye irritation
TANATONE 3950: Remarks: Not expected to cause irritation.

Respiratory or skin sensitization

Sensitisation
TANATONE 3950: Remarks: May cause sensitization by skin contact.

Further information
TANATONE 3950: no data available

12. Ecological information

12.1 Toxicity

Ecotoxicology Assessment

Acute aquatic toxicity
TANATONE 3950: This product has no known eco-toxicological effects.

12.2 Persistence and degradability

Biodegradability
TANATONE 3950: Remarks: no data available

12.3 Bioaccumulative potential

Bioaccumulation
TANATONE 3950: Remarks: no data available

12.4 Mobility in soil
12.5 Results of PBT and vPvB assessment

TANATONE 3950 : This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Additional ecological information: No information on ecology is available.

13. Disposal considerations

13.1 Waste treatment methods

Product: Dispose of as hazardous waste in compliance with local and national regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Contaminated packaging: Rinse empty containers with water and use the rinse-water to prepare the working solution. Refer to manufacturer/supplier for information on recovery/recycling.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

ADR
14.1 UN number: Not dangerous goods
14.2 Proper shipping name: Not dangerous goods
14.3 Transport hazard class: Not dangerous goods
14.4 Packing group: Not dangerous goods
14.5 Marine pollutant: Not dangerous goods

IATA
14.1 UN number: Not dangerous goods
14.2 Proper shipping name: Not dangerous goods
14.3 Transport hazard class: Not dangerous goods
14.4 Packing group: Not dangerous goods
14.5 Marine pollutant: Not dangerous goods

IMDG

14.1 UN number: Not dangerous goods
14.2 Proper shipping name: Not dangerous goods
14.3 Transport hazard class: Not dangerous goods
14.4 Packing group: Not dangerous goods
14.5 Marine pollutant: Not dangerous goods

14.6 Special precautions for user

Other information: not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks: Not relevant

15. Regulatory information

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

Major Accident Hazard Legislation: 96/82/EC Update: 2003 Directive 96/82/EC does not apply

Water contaminating class (Germany): WGK 1 slightly water endangering

15.2 Chemical Safety Assessment

not applicable

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R43 May cause sensitization by skin contact.

Full text of H-Statements referred to under sections 2 and 3.

H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.