Marks & Spencer Homecare Products
Ingredients and Safety Data Sheet

1. Identification of Substance/Mixture and of the company undertaking

Product Name: Whites Super Conc Liquid 21
UPC: M00886321
Series Number: 1

2. Hazard Identification

2.1. Classification of the substance or mixture
Classification according to 1999/45/EC
Not classified as dangerous to human health or the aquatic environment
Classification Procedure: Bridging of Test Data / Expert Judgement (ref: Section 11)

2.2 Label Elements
Labelling according to 1999/45/EC
Symbol(s): None
Risk Phrase(s): None
Safety Phrase(s): None
Supplemental Phrase(s): None

2.3 Other Hazards
None

3. Composition / Information On Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS/EINECS</th>
<th>% e.g. 10-20%</th>
<th>Hazard</th>
<th>Risk No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dodecyl benzenesulphonic acid Monoethanolamine Salt</td>
<td>26836-07-7</td>
<td>10-100%</td>
<td></td>
<td>Xn R22 R41 R38</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alcohols C13-15 Ethoxylated</td>
<td>24938-91-8</td>
<td>1-10%</td>
<td></td>
<td>Xn R22 R41 N R50</td>
</tr>
<tr>
<td></td>
<td>68131-39-5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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4. First Aid Measures

4.1 Description of first aid measures

**Neat Product**

- **Eye:** Remove from site of exposure. Wash eyes with plenty of water for at least 10 minutes, holding the eye open. Obtain medical attention urgently. Protect uninjured eye.
- **Skin:** Immediately wash the skin thoroughly with plenty of clean water. If redness or irritation persists, obtain medical advice.
- **Ingestion:** Wash out mouth with water. Do not induce vomiting. Obtain medical advice.
- **Inhalation:** Mixture is a liquid, as such inhalation is not a likely route of exposure.

**Diluted Product**

- **Eye:** Immediately wash the eye with plenty of water for at least 10 minutes, holding the eye open. Remove from site of exposure. If redness or irritation persists, obtain medical advice. Protect uninjured eye.
- **Skin:** Immediately wash the skin thoroughly with plenty of clean water. If redness or irritation persists, obtain medical advice.
- **Ingestion:** Wash out mouth with water. Do not induce vomiting. Obtain medical advice.
- **Inhalation:** Mixture is a liquid, as such inhalation is not a likely route of exposure.

4.2 Most important symptoms and effects, both acute and delayed

Prolonged or repeated exposure to the skin will lead to irritation. If mixture comes into contact with eyes will cause moderate irritation. If ingested, the product may lead to moderate irritation of the mouth and upper digestive tract. If significant quantities (>50ml) are ingested, then nausea and vomiting may occur.
4.3 Indication of any immediate medical attention and special treatment needed
   No special treatment required - see first aid above

5. Fire Fighting Measures

5.1 Extinguishing media
Suitable extinguishing media:
   Dry powder, foam, carbon dioxide and water mist.

Unsuitable extinguishing media:
   DO NOT USE DIRECT WATER SPRAY.

5.2 Special hazards arising from the substance or mixture
   Fumes containing carbon dioxide, carbon monoxide and sulphur dioxide may be found
   in large fires

5.3 Advice for fire fighters
   In case of fire of large quantities, self contained breathing apparatus should be worn.

6. Accidental Release Measures

6.1 Personal Precautions, Protective equipment and emergency procedures
Non emergency personnel:
   Avoid contact with eyes. Avoid prolonged skin contact. Keep children away from area of accidental release

Emergency personnel:
   Avoid contact with eyes. Avoid prolonged skin contact. Keep all non essential personnel away from area of accidental release.

6.2 Environmental Precautions
   Avoid discharge of large volumes into water courses

6.3 Methods and materials containment and cleaning up
Small spills (less than 6 bottles):
   Wipe or Mop up the spilled mixture with inert absorbent material and dispose of in accordance with normal
   waste disposal measures

Large spills (greater than 6 bottles):
   Contain the spilled mixture with sand or other inert absorbent material. Transfer used material to a suitable
   waste container and dispose of in accordance with local regulations

6.4 Reference to other sections
   Refer to sections 8 & 13

7. Handling & Storage

7.1 Precautions for safe handling
   Use only as directed.
   Avoid contact with eyes. Avoid repeated or prolonged contact with skin. Keep out of the reach

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of children.
Rinse and dry hands after use.
People with sensitive or damaged skin should avoid prolonged contact with the product.

7.2 Conditions for safe storage, including any incompatibilities
Store in original container in a cool place. Keep out of the reach of children.

7.3 Specific end use(s)
For the laundering of fabrics in a washing machine or by hand

8. Exposure Controls & Personal Protection
8.1 Control parameters

<table>
<thead>
<tr>
<th>Limit value type (country of origin)</th>
<th>Substance name</th>
<th>EC No</th>
<th>CAS No</th>
<th>Occupational exposure limit</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ethanol</td>
<td>200-578-6</td>
<td>64-17-5</td>
<td>Long term 1000ppm</td>
<td>EH40</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Short term 1920mg.m⁻³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Subtilisin</td>
<td>232-752-2</td>
<td>9014-01-1</td>
<td>0.00004 mg.m⁻³⁻³</td>
<td>EH40</td>
</tr>
<tr>
<td></td>
<td>Diethyl Ether</td>
<td>202-981-2</td>
<td>101-84-8</td>
<td>7.1 mg.m⁻³</td>
<td>EH40</td>
</tr>
</tbody>
</table>

8.2 Exposure controls
Personal protective equipment
None during normal use. Avoid prolonged contact.

Environmental exposure controls
No eSDS available

9. Physical & Chemical Properties
9.1 Information on the basic physical and chemical properties
(a) Appearance: Characteristic liquid
(b) Odour: Characteristic
(c) Odour threshold: No data available
(d) pH: pH 8.2 - 8.9 (Undiluted at 20°C)
(e) Melting/freezing point: < 0 °C
(f) Initial boiling point and boiling range >100 °C
(g) Flash point: Not Applicable
(h) Evaporation rate: Not Determined (likely to be similar to water)
(i) Flammability (solid, gas): Not applicable (liquid)
(j) Upper/lower flammability or explosive limits: Not applicable (Not flammable)
(k) Vapour pressure: Not Determined (likely to be similar to water)
(l) Vapour density: Not Determined (likely to be similar to water)

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(m) Relative density: 1.01g - 1.035g/cm³ (at 20 deg C)
(n) Solubility: Soluble in water
(o) Partition coefficient (n-octanol/water): Not Determined (likely to be similar to water)
(p) Auto-ignition temperature: Not Determined (likely to be similar to water)
(q) Decomposition temperature: Not Determined (likely to be similar to water)
(r) Viscosity: 50-600 cps (at 20 deg C)
(s) Explosive properties: Mixture does not contain substances directly added or produced by reactions that are classified as explosive
(t) Oxidising properties: Mixture does not contain substances directly added or produced by reactions that are classified as oxidising

9.2 Other information
(a) Nanomaterials: None
(b) Corrosivity to metals: Not available

10. Stability & Reactivity

10.1 Reactivity:
Stable under recommended storage and handling conditions

10.2 Chemical stability:
Stable under recommended storage and handling conditions

10.3 Possibility of hazardous reactions:
None known

10.4 Conditions to avoid:
Avoid extremes of temperature or pH

10.5 Incompatible materials:
Avoid contact with strong acids, bases or oxidising materials

10.6 Hazardous decomposition products:
Fumes containing carbon dioxide, carbon monoxide and sulphur dioxide may be found in large fires

11. Toxicological Information

11.1 Information on toxicological effects
Acute Toxicity:
Oral Mixture is not classified for acute oral toxicity by conventional classification
Dermal Mixture does not contain any substances classified as harmful in contact with skin
Inhalation Mixture is not classified for acute inhalation toxicity by conventional classification

Irritation:

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Dermal Mixture is not classified as Irritating to skin by conventional calculation

Eye Mixture is not classified as Irritating to eyes by bridging of test data on similar formulations. In accordance with Article 6.3 (the Furthermore clause) of Dangerous Preparations Directive 1999/45/EC and Annex 1 paragraph 1.1.0 of Classification Labelling and Packaging of substances and mixtures Regulations (EC) No 1907/2006, this formulation has been compared using expert judgement to industry shared formulations (AISE Guidelines for the Application of Directive 1999/45/EC - Part B). This formulation can be bridged to similar formulations which have been studied for irritation potential in-vivo found to be non-irritant to eyes.

Corrosivity:

Dermal Mixture is not classified as corrosive by conventional classification or pH
Eye Mixture is not classified as corrosive by conventional classification or pH

Sensitisation:

Dermal Mixture contains substances known as 'Alleged Allergens'. Product will be labelled with these materials in accordance with Detergents Regulations (648/2004/EC). In accordance with Article 6.3 (the Furthermore clause) of Dangerous Preparations Directive 1999/45/EC and Annex 1 paragraph 1.1.0 of Classification Labelling and Packaging of substances and mixtures Regulations (EC) No 1907/2006, The IFRA QRA approach has been applied to determine the final product classification with respect to sensitisation due to fragrance substances. Application of the approach based on weight of evidence results in the expert judgement that the sensitisier warning is not required on this product.

Inhalation Mixture is not classified as a respiratory sensitiser by conventional classification

Specific Target Organ Toxicity - Single Exposure:

Oral Mixture does not contain any substances classified as STOT - SE by ingestion
Dermal Mixture does not contain any substances classified as STOT - SE by skin contact
Inhalation Mixture does not contain any substances classified as STOT - SE by inhalation

Specific Target Organ Toxicity - Repeated Exposure:

Oral Mixture does not contain any substances classified as STOT - RE by ingestion
Dermal Mixture does not contain any substances classified as STOT - RE by skin contact
Inhalation Mixture does not contain any substances classified as STOT - RE by inhalation

Aspiration Toxicity: Mixture is not classified as an aspirational toxin by conventional calculation

Carcinogenicity: Mixture is not classified as carcinogenic by conventional calculation

Mutagenicity: Mixture does not contain any substances classified as mutagenic

Toxic for reproduction: Mixture is not classified as toxic for reproduction by conventional calculation

Other Information: None

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12. Ecological Information

12.1 Toxicity
During normal use mixture is not anticipated to present a significant risk to the environment. Mixture is not classified as harmful to the aquatic environment by conventional calculation.

12.2 Persistence and degradability
The surfactant(s) contained in this mixture comply with biodegradability criteria as laid down in regulations (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member state. The other substances of this mixture are either environmentally inert or absorbed onto sewage and sediment etc or will biodegrade to substances which are likely to be of low environmental impact when the product is used as directed.

12.3 Bioaccumulative potential
Mixture does not contain any substances expected to bioaccumulate.

12.4 Mobility in soil
Mixture is expected to be fully mobile through soil.

12.5 Results of PBT and vPvB assessment
Mixture does not contain any substances classified as PBT or vPvB.

12.6 Other adverse effects
None.

13. Disposal

13.1 Waste treatment methods
Mixture: Under conditions of expected use the mixture will be disposed of at the end of its life into the normal domestic waste streams.

Packaging: May be disposed of in household waste landfill. Recycle packaging where facilities exist.

Additional information: Local or regional provisions may be in force and shall be referred to.

14. Transport Information

14.1 UN Number
Not classified as dangerous goods for transport.

14.2 UN Proper shipping name
Not classified as dangerous goods for transport.

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14.3 Transport hazard class(s)  Not classified as dangerous goods for transport

14.4 Packaging Group  Not classified as dangerous goods for transport

14.5 Environmental hazards  Not classified as dangerous goods for transport

14.6 Special precautions for the user  Not classified as dangerous goods for transport

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  Not classified as dangerous goods for transport

15. Regulatory Information

15.1 Safety, health and environment regulations/legislation specific for the substance or mixture
   Dangerous Preparations Directive 1999/45/EEC
   Detergents Regulations (EC) No 648/2004
   Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations (EC) No 1907/2006
   The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009

15.2 Chemical safety assessment
   No chemical safety assessment has been carried out

16. Other Information

   R11 - Highly flammable
   R22 - Harmful if swallowed
   R38 - Irritating to skin
   R41 - Risk of serious damage to eyes
   R43 - May cause sensitisation by skin contact
   R50 - Very toxic to aquatic organisms
   R53 - May cause long term effects in the aquatic environment