Marks & Spencer Homecare Products
Ingredients and Safety Data Sheet

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

Product Name: M&S Whites Bio Supergel 630ml

UPC: M00886307S

Series Number: 1

2. Hazard Identification

Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
Serious eye damage, Category 1 (Eye Dam. 1, H318).
May produce an allergic reaction (EUH208).
Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

Label elements
Detergent mixture (see section 15).

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms:
GHS05
Signal Word: DANGER
Product identifiers:
EC 287-335-8 BENZENESULFONIC ACID, MONO-C10-13-ALKYL DERIVS., COMPDS. WITH ETHANOLAMINE (MEA-DODECYLBENZENESULFONATE)
EC 500-234-8 ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (>1 <2.5 MOL EO) (SODIUM LAURETH/PARETH SULFATE)
CAS 68002-97-1 ALCOHOLS, C10-18, ETHOXYLATED (7 MOL EO) (LAURETH-10)

Additional labeling:
EUH208 Contains HEXYL SALICYLATE. May produce an allergic reaction.
EUH208 Contains TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES. May produce an allergic reaction.

Hazard statements:
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements - General:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Precautionary statements - Prevention:
P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection.

Precautionary statements - Response:

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P305 + P351 + P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310  Immediately call a POISON CENTER/doctor/...  
Precautionary statements - Disposal:  
P501  Dispose of contents/container in accordance with local requirements for domestic waste disposal.

Other hazards
The mixture does not contain substances classified as ‘Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 57 of REACH:  
http://echa.europa.eu/fr/candidate-list-table
The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

3. Composition / Information On Ingredients

<table>
<thead>
<tr>
<th>Identification</th>
<th>(EC) 1272/2008</th>
<th>Note</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX: 1001899</td>
<td>GHS07, GHS05</td>
<td>Dgr</td>
<td>10 &lt;= x % &lt; 25</td>
</tr>
<tr>
<td>CAS: 85480-55-3</td>
<td>Acute Tox. 4, H302</td>
<td>Skin Irrit. 2, H315</td>
<td></td>
</tr>
<tr>
<td>EC: 287-335-8</td>
<td>Eye Dam. 1, H318</td>
<td>Aquatic Chronic 3, H412</td>
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<td>BENZENESULFONIC ACID, MONO-C10-13-ALKYL DERIVS., COMPDS. WITH ETHANOLAMINE (MEA- DODECYLBENZENESULFONATE)</td>
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</tr>
</tbody>
</table>

| INDEX: 1001548 | GHS05  | Dgr  | 10 <= x % < 25 |
| CAS: 68891-38-3 | Skin Irrit. 2, H315 | Eye Dam. 1, H318 | |
| EC: 500-234-8 | Aquatic Chronic 3, H412 | | |
| REACH: 01-211948639-16-ALCOHOLS, C12-14, ETHOXYLATED, SULFATES, SODIUM SALTS (>1 <2.5 MOL EO) (SODIUM LAURETH/PERETH SULFATE) | | | |

| INDEX: 1001891 | GHS07, GHS05  | Dgr  | 2.5 <= x % < 10 |
| CAS: 68002-97-1 | Acute Tox. 4, H302 | Skin Irrit. 2, H315 | |
| EC: 01-2119638275-36-HEXYL SALICYLATE | Eye Dam. 1, H318 | Aquatic Chronic 3, H412 | |

| INDEX: E422 | [1] | 2.5 <= x % < 10 |
| CAS: 56-81-5 | | | |
| EC: 200-289-5 | | | |
| GLYCEROL | | | |

| INDEX: I6259_76_3 | GHS07, GHS09  | Wng  | 0 <= x % < 2.5 |
| CAS: 6259-76-3 | Eye Irrit. 2, H319 | Skin Irrit. 2, H315 | |
| EC: 228-408-6 | Skin Sens. 1, H317 | Aquatic Acute 1, H400 | |
| REACH: 01-2119638275-36-HEXYL SALICYLATE | M Acute = 1 | Aquatic Chronic 1, H410 | |
| M Chronic = 1 | | | |

| INDEX: I54464_57_2 | GHS07, GHS09  | Wng  | 0 <= x % < 2.5 |
| CAS: 54464-57-2 | | | |

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EC: 259-174-3  
REACH: 01-2119489989-04-  
TETRAMETHYL  
ACETOXYCETANONAPHTHALENES  
INDEX: 1001545  
CAS: 68439-50-9  
EC: 500-213-3  
ALCOHOLS, C12-14, ETHOXYLATED  
(>1  
<2.5 MOL EO)  
GHS07, GHS05,  
GHS09  
Dgr  
Acute Tox. 4, H302  
Eye Dam. 1, H318  
Aquatic Acute 1, H400  
M Acute = 1  
0 <= x % < 2.5

Information on ingredients :
[1] Substance for which maximum workplace exposure limits are available.

4. First Aid Measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

Description of first aid measures
In the event of exposure by inhalation :  
In the event of an allergic reaction, seek medical attention.
In the event of splashes or contact with eyes :  
Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open. Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.
In the event of splashes or contact with skin :  
In the event of an allergic reaction, seek medical attention.
In the event of swallowing :  
Seek medical attention, showing the label.

Most important symptoms and effects, both acute and delayed
No data available.

Indication of any immediate medical attention and special treatment needed
No data available.

5.Fire Fighting Measures

Non-flammable.

Extinguishing media
Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed :
- carbon monoxide (CO)  
- carbon dioxide (CO2)  
- phosgene (CCl2O)  
- chlorine (Cl2)  
Advice for firefighters
No data available.

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6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.

For non first aid worker
Avoid any contact with the skin and eyes.

For first aid worker
First aid workers will be equipped with suitable personal protective equipment

Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

Methods and material for containment and cleaning up
Neutralise with an acidic decontaminant.
Clean preferably with a detergent, do not use solvents.

Reference to other sections
No data available.

7. Handling & Storage

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Precautions for safe handling
Always wash hands after handling.
Remove and wash contaminated clothing before re-using.
Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :
Prevent access by unauthorised personnel.

Recommended equipment and procedures :
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :
No smoking, eating or drinking in areas where the mixture is used.

Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep out of reach of children.

Packaging
Always keep in packaging made of an identical material to the original.

Specific end use(s)
No data available.

8. Exposure Controls & Personal Protection

Control parameters
Occupational exposure limits :
- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :
   CAS     TWA : STEL : Ceiling : Definition : Criteria :
   56-81-5 10 mg/m³ - - - -
- France (INRS - ED984 :2008) :
   CAS     VME-ppm : VME-mg/m³ : VLE-ppm : VLE-mg/m³ : Notes : TMP No :
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56-81-5 - 10
<table>
<thead>
<tr>
<th>CAS</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
<th>Definition</th>
<th>Criteria</th>
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<tbody>
<tr>
<td>56-81-5</td>
<td>10 mg/m3</td>
<td>-</td>
<td>-</td>
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</tr>
</tbody>
</table>

Exposure controls

**Personal protection measures, such as personal protective equipment**

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles with protective sides accordance with standard EN166. In the event of high danger, protect the face with a face shield. Prescription glasses are not considered as protection. Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours. Provide eyewash stations in facilities where the product is handled constantly.

**- Hand protection**

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required. Recommended properties:
- Impervious gloves in accordance with standard EN374

**- Body protection**

Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

9. **Physical & Chemical Properties**

**Information on basic physical and chemical properties**

**General information:**
- Physical state: Viscous liquid.
- Odour threshold: NOT SPECIFIED
- Apparent bulk density (Packed): N/A
- Apparent bulk density (Loose packed): N/A

**Important health, safety and environmental information**
- pH (aqueous solution): 8.7+-1.0(20°C)
- pH: Not stated. Slightly basic.
- Boiling point/boiling range: Not relevant.
- Flash point interval: Not relevant.
- Flammability (solid, gas): N/A
- Explosive properties, lower explosivity limit (%): N/A
- Explosive properties, upper explosivity limit (%): N/A
- Oxidising properties: N/A
- Vapour pressure (50°C): Not relevant.
- Vapour density: NOT SPECIFIED
- Density: 1.080+-0.010(20°C)
- Water solubility: Soluble. NOT SPECIFIED
- Fat solubility: N/A

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Partition coefficient: n-octanol/water : N/A
Viscosity : 4000-12000 mPas(20°C)
Evaporation rate : N/A
Melting point/melting range : Not relevant.
Self-ignition temperature : Not relevant.
Decomposition point/decomposition range : Not relevant.
Colour : Characteristic
Odour : Characteristic

10. Stability & Reactivity

Reactivity
No data available.

Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

Possibility of hazardous reactions
No data available.

Conditions to avoid
Avoid :
- frost

Incompatible materials

Hazardous decomposition products
The thermal decomposition may release/form :
- carbon monoxide (CO)
- carbon dioxide (CO2)
- phosgene (CCl2O)
- chlorine (Cl2)

11. Toxicological Information

Information on toxicological effects
May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.
Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

Substances
Acute toxicity :
ALCOHOLS, C10-18, ETHOXYLATED (7 MOL EO) (LAURETH-10) (CAS: 68002-97-1)
Oral route : LD50 = 1642 mg/kg

BENZENESULFONIC ACID, MONO-C10-13-ALKYL DERIVS., COMPDS. WITH ETHANOLAMINE (MEA-DOODECYLBENZENESULFONATE) (CAS: 85480-55-3)
Oral route : LD50 = 1100 mg/kg

Mixture
Skin corrosion/skin irritation :
Guideline: Expert Judgement CLP Bridging Principles
Results: Mixture is not classified by bridging of test data on similar formulations.

Respiratory or skin sensitisation :
Contains at least one sensitising substance. May cause an allergic reaction.
12. Ecological Information

Harmful to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.

Toxicity

Mixtures
No aquatic toxicity data available for the mixture.

Persistence and degradability
No data available.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

Results of PBT and vPvB assessment
No data available.

Other adverse effects
No data available.

13. Disposal

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

Waste treatment methods
Do not pour into drains or waterways.

Waste :
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

14. Transport Information

Exempt from transport classification and labelling.

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
- Classification and labelling information included in section 2:
The following regulations have been used:
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 1297/2014.

- Container information:
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16. Other Information

Since the user’s working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3:
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Abbreviations:
ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation.
RID: Regulations concerning the International carriage of Dangerous goods by rail.
WGK: Wassergefahrdungsklasse (Water Hazard Class).
GHS05: Corrosion.
PBT: Persistent, bioaccumulative and toxic.
vPvB: Very persistent, very bioaccumulative.
SVHC: Substances of very high concern.