SAFETY DATA SHEET
Multi Screen Clean Wipes x100 COS
According to Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, February 2016

SECTION 1: Identification: Product identifier and chemical identity

Product identifier
Product name          Multi Screen Clean Wipes x100 COS
Product No.           DATA4185, ZP

Relevant identified uses of the substance or mixture and uses advised against
Application            Cleaning agent.
Uses advised against   No specific uses advised against are identified.

Details of the supplier of the safety data sheet
Supplier               Complete Office Supplies
                                 25 Nyrang St.
                                 Licombe NSW 2141
                                 1300 88 22 44
                                 www.cos.net.au

Emergency telephone number
Emergency telephone      +61 2 8014 4558 (Australia)
                                             +64 9 929 1483 (New Zealand)

SECTION 2: Hazard(s) identification

Classification of the substance or mixture
Physical hazards        Not Classified
Health hazards          Not Classified
Environmental hazards   Aquatic Acute 3 - H402

Label elements
Hazard statements       H402 Harmful to aquatic life.
Precautionary statements P273 Avoid release to the environment.
                                      P501 Dispose of contents/ container in accordance with national regulations.

Other hazards
This product does not contain any substances classified as PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative).

SECTION 3: Composition and information on ingredients

Mixtures
2-Butoxyethanol        <1%
CAS number: 111-76-2

Classification
Acute Tox. 4 - H302
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2A - H319
Multi Screen Clean Wipes x100 COS

1-Methoxy-2-propanol
CAS number: 107-98-2

Classification
Flam. Liq. 3 - H226
STOT SE 3 - H336

Benzyl-C12-14-alkyldimethylamonium chlorides
CAS number: 68424-85-1
M factor (Acute) = 10 M factor (Chronic) = 1

Classification
Acute Tox. 4 - H302
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Ethanol
CAS number: 64-17-5

Classification
Flam. Liq. 2 - H225

Diethyl phthalate
CAS number: 84-66-2

Classification
Not Classified

The full text for all hazard statements is displayed in Section 16.

Composition comments None of the ingredients are required to be listed.

SECTION 4: First aid measures

Description of first aid measures

General information If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

Inhalation No specific recommendations. If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.

Ingestion No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.

Skin Contact No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.

Eye contact Rinse with water. Get medical attention if any discomfort continues.

Protection of first aiders Use protective equipment appropriate for surrounding materials.
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**Most important symptoms and effects, both acute and delayed**

**General information**
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**
No specific symptoms known. Spray/mists may cause respiratory tract irritation.

**Ingestion**
No specific symptoms known. May cause discomfort if swallowed.

**Skin contact**
No specific symptoms known. May cause discomfort.

**Eye contact**
No specific symptoms known. May be slightly irritating to eyes.

**Indication of any immediate medical attention and special treatment needed**

**Notes for the doctor**
Treat symptomatically.

**Specific treatments**
No special treatment required.

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### SECTION 5: Firefighting measures

**Extinguishing media**

**Suitable extinguishing media**
The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media**
Do not use water jet as an extinguisher, as this will spread the fire.

**Special hazards arising from the substance or mixture**

**Specific hazards**
Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products**
Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

**Advice for firefighters**
Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak.

**Special protective equipment for firefighters**
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.

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### SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**
No specific recommendations. For personal protection, see Section 8.

**Environmental precautions**
Avoid discharge to the aquatic environment.

**Methods and material for containment and cleaning up**

**Methods for cleaning up**
Reuse or recycle products wherever possible. Absorb spillage to prevent material damage. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

**Reference to other sections**
For personal protection, see Section 8.
Multi Screen Clean Wipes x100 COS

SECTION 7: Handling and storage, including how the chemical may be safely used

Precautions for safe handling

Usage precautions
Keep out of the reach of children. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment.

Advice on general occupational hygiene
Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions No specific recommendations.

Storage class Unspecified storage.

Specific end use(s)
The identified uses for this product are detailed in Section 1.

SECTION 8: Exposure controls and personal protection

Control parameters

Occupational exposure limits

2-Butoxyethanol
Long-term exposure limit (8-hour TWA): 20 ppm 96.9 mg/m³
Short-term exposure limit (15-minute): 50 ppm 242 mg/m³

1-Methoxy-2-propanol
Long-term exposure limit (8-hour TWA): 100 ppm 369 mg/m³
Short-term exposure limit (15-minute): 150 ppm 553 mg/m³

Ethanol
Long-term exposure limit (8-hour TWA): 1000 ppm 1880 mg/m³

Diethyl phthalate
Long-term exposure limit (8-hour TWA): 5 mg/m³
Sk = Absorption through the skin may be a significant source of exposure.

Exposure controls

Appropriate engineering controls No specific ventilation requirements.

Eye/face protection No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection No specific hand protection recommended.

Other skin and body protection Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Hygiene measures Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Respiratory protection No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
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**Environmental exposure controls**
Not regarded as dangerous for the environment.

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### SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Liquid-impregnated wipe.</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>Colourless.</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>Alcoholic.</td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>pH (concentrated solution): 5-7</td>
</tr>
<tr>
<td><strong>Melting point</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Initial boiling point and range</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Evaporation factor</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flammability Limit - Lower(%)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Other flammability</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>2.35 kPa @ 20°C</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Bulk density</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Solubility(ies)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Partition coefficient</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Decomposition Temperature</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>Not considered to be explosive.</td>
</tr>
<tr>
<td><strong>Oxidising properties</strong></td>
<td>Does not meet the criteria for classification as oxidising.</td>
</tr>
</tbody>
</table>

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### SECTION 10: Stability and reactivity

**Reactivity**
There are no known reactivity hazards associated with this product.

**Stability**
Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

**Possibility of hazardous reactions**
No potentially hazardous reactions known.

**Conditions to avoid**
There are no known conditions that are likely to result in a hazardous situation.
Multi Screen Clean Wipes x100 COS

Materials to avoid
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

Hazardous decomposition products
Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

Information on toxicological effects

Toxicological effects
Not regarded as a health hazard under current legislation.

Acute toxicity - oral
Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal
Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation
Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation
Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation
Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation
Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation
Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity
Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity
Carcinogenicity Based on available data the classification criteria are not met.

IARC carcinogenicity
Contains a substance/a group of substances which may cause cancer. IARC Group 1 Carcinogenic to humans.

Reproductive toxicity
Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure
STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard
Aspiration hazard Based on available data the classification criteria are not met.

General information
No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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Inhalation
No specific symptoms known. Spray/mists may cause respiratory tract irritation.

Ingestion
No specific symptoms known. May cause discomfort if swallowed.

Skin Contact
No specific symptoms known. May cause discomfort.

Eye contact
No specific symptoms known. May be slightly irritating to eyes.

Route of exposure
Ingestion Inhalation Skin and/or eye contact

Target Organs
No specific target organs known.

Toxicological information on ingredients.

2-Butoxyethanol

Acute toxicity - oral
Acute toxicity oral (LD₅₀ mg/kg) 1,746.0
Species Rat
Notes (oral LD₅₀) EU REACH dossier information. Harmful if swallowed.
ATE oral (mg/kg) 1,746.0

Acute toxicity - dermal
Notes (dermal LD₅₀) Harmful in contact with skin.
ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation
Notes (inhalation LC₅₀) Harmful if inhaled.
ATE inhalation (vapours mg/l) 11.0

Skin corrosion/irritation
Animal data Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: No oedema (0). EU REACH dossier information. Irritating.

Serious eye damage/irritation
Dose: 0.1 mL, 24 hours, Rabbit Causes serious eye irritation.

Skin sensitisation
Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. EU REACH dossier information. Based on available data the classification criteria are not met.

Germ cell mutagenicity
Gene mutation: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vitro
Chromosome aberration: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.

Carcinogenicity
NOAEC 125 ppm, Inhalation, Mouse EU REACH dossier information. Based on available data the classification criteria are not met.

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.
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Reproductive toxicity

Reproductive toxicity - fertility
Two-generation study - NOAEL 720 mg/kg/day, Oral, Mouse P EU REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity - development
Maternal toxicity: - NOAEL: 50 ppm, Inhalation, Rabbit EU REACH dossier information. Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure
NOAEL <69 mg/kg/day, Oral, EU REACH dossier information. Based on available data the classification criteria are not met.

1-Methoxy-2-propanol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg)
3,739.0

Species
Rat

Notes (oral LD₅₀)
LD₅₀ 3739 mg/kg, Oral, EU REACH dossier information. Based on available data the classification criteria are not met.

ATE oral (mg/kg)
3,739.0

Acute toxicity - dermal

Notes (dermal LD₅₀)
LD₅₀ >2000 mg/kg, Dermal, EU REACH dossier information. Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data
Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). EU REACH dossier information. Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation
Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. EU REACH dossier information. Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro
Gene mutation: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo
Chromosome aberration: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity
NOEL 3000 ppm, Inhalation, EU REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility
Two-generation study - NOAEL 1000 ppm, Inhalation, Rat F1 EU REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity - development
Teratogenicity: - NOAEL: 1500 ppm, Inhalation, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure
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STOT - single exposure
STOT SE 3 - H336 May cause drowsiness or dizziness. EU REACH dossier information.

Target organs
Central nervous system Brain

Specific target organ toxicity - repeated exposure

STOT - repeated exposure
NOAEL 919 mg/kg/day, Oral, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

2-Methoxypropanol

Acute toxicity - oral
Notes (oral LD₅₀)
LD₅₀ 5710 mg/kg, Oral, Rat Based on available data the classification criteria are not met.

Acute toxicity - dermal
Notes (dermal LD₅₀)
LD₅₀ 5660 mg/kg, Dermal, Rabbit Based on available data the classification criteria are not met.

Skin corrosion/irritation
Skin corrosion/irritation
Irritating to skin.

Serious eye damage/irritation
Serious eye damage/irritation
May cause serious eye damage.

Reproductive toxicity
Reproductive toxicity - development
Maternal toxicity: - Dose level:: 545 ppm, Inhalation, Rabbit May damage the unborn child.

Specific target organ toxicity - single exposure

STOT - single exposure
STOT SE 3 - H335 May cause respiratory system irritation.

Target organs
Respiratory system, lungs

Ethanol

Toxicological effects
Not regarded as a health hazard under current legislation.

Acute toxicity - oral
Notes (oral LD₅₀)
LD₅₀ 10470 mg/kg, Oral, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

Acute toxicity - inhalation
Notes (inhalation LC₅₀)
LD₅₀ 124.7 mg/l, Inhalation, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

Skin corrosion/irritation
Animal data
Dose: 0.2 mL, 24 hours, Rabbit Primary dermal irritation index: 0 EU REACH dossier information. Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation
Local Lymph Node Assay (LLNA) - Mouse: Not sensitising. EU REACH dossier information. Based on available data the classification criteria are not met.

Germ cell mutagenicity
Multi Screen Clean Wipes x100 COS

<table>
<thead>
<tr>
<th>Genotoxicity - in vitro</th>
<th>Gene mutation: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genotoxicity - in vivo</td>
<td>Chromosome aberration: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.</td>
</tr>
</tbody>
</table>

**Carcinogenicity**

IARC carcinogenicity

IARC Group 1  Carcinogenic to humans.

**Reproductive toxicity**

Reproductive toxicity - fertility

Two-generation study - NOAEL 15% , Oral, Mouse EU REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity - development

Maternal toxicity: - NOAEL: 16000 ppm, Inhalation, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

**Specific target organ toxicity - repeated exposure**

STOT - repeated exposure  LOAEL ~4000 mg/kg, Oral, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

**d-Limonene**

**Acute toxicity - oral**

Notes (oral LD₅₀)  \(\text{LD}_\text{₅₀} >2000 \text{ mg/kg}, \text{ Oral, Rat EU REACH dossier information. Based on available data the classification criteria are not met.} \)

**Skin corrosion/irritation**

Animal data  Dose: 0.5 mL, 4 hours, Rabbit EU REACH dossier information. Irritating.

**Serious eye damage/irritation**

Serious eye damage/irritation  Dose: 0.1 mL, 7 days, Rabbit EU REACH dossier information. Not irritating.

**Skin sensitisation**

Skin sensitisation  Local Lymph Node Assay (LLNA) - Mouse: Sensitising, EU REACH dossier information.

**Germ cell mutagenicity**

Genotoxicity - in vitro  Gene mutation: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo  DNA damage and/or repair: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.

**Carcinogenicity**

IARC carcinogenicity

IARC Group 3  Not classifiable as to its carcinogenicity to humans.

**Specific target organ toxicity - repeated exposure**

STOT - repeated exposure  NOAEL 1650 mg/kg/day, Oral, Mouse EU REACH dossier information. Based on available data the classification criteria are not met.

**Aspiration hazard**

Aspiration hazard  1.003 cSt @ 25°C/77°F EU REACH dossier information. Aspiration hazard if swallowed.

**Diethyl phthalate**
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**Acute toxicity - oral**

Notes (oral LD₅₀)

LD₅₀ >5000 mg/kg, Oral, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

**Acute toxicity - dermal**

Notes (dermal LD₅₀)

LD₅₀ 11181 mg/kg, Dermal, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

**Skin corrosion/irritation**

Animal data

Dose: 0.5 mL, 24 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Not irritating. EU REACH dossier information. Based on available data the classification criteria are not met.

**Skin sensitisation**

Skin sensitisation

Local Lymph Node Assay (LLNA) - Mouse: Not sensitising. EU REACH dossier information. Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

Genotoxicity - in vitro

Gene mutation: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.

**Carcinogenicity**

Carcinogenicity

Dose level: >1015 mg/kg/day, Dermal, Rat EU REACH dossier information. No evidence of carcinogenicity in animal studies.

**Reproductive toxicity**

Reproductive toxicity - fertility

Two-generation study - NOAEL 3000 ppm, Oral, Rat F1 EU REACH dossier information. No evidence of reproductive toxicity in animal studies.

Reproductive toxicity - development

Developmental toxicity: - NOAEL: 2.5 %, Oral, Rat EU REACH dossier information. No evidence of reproductive toxicity in animal studies.

**Specific target organ toxicity - repeated exposure**

STOT - repeated exposure

NOAEL 150 mg/kg/day, Oral, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

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**Citral**

**Acute toxicity - oral**

Notes (oral LD₅₀)

LD₅₀ 6800 mg/kg, Oral, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

**Acute toxicity - dermal**

Notes (dermal LD₅₀)

LD₅₀ >2000 mg/kg, Dermal, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

**Skin corrosion/irritation**

Animal data

Dose: 0.5 mL, 15 minutes, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Slight oedema - edges of area well defined by definite raising (2). EU REACH dossier information. Highly irritating.

**Serious eye damage/irritation**

Serious eye damage/irritation

Dose: 0.1 mL, 8 days, Rabbit Causes serious eye irritation.

**Skin sensitisation**
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Skin sensitisation
Guinea pig maximization test (GPMT) - Guinea pig: Sensitising. EU REACH dossier information.

Germ cell mutagenicity
Gene mutation: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vitro
Gene mutation: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo
Chromosome aberration: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.

Carcinogenicity
NOAEL 100 mg/kg/day, Oral, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity
Screening - NOAEL 1000 mg/kg/day, Oral, Rat P EU REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity - development
Developmental toxicity: - NOAEL: 200 mg/kg/day, Oral, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

Skin corrosion/irritation
Human skin model test
Cell Viability 39.6% 15 minutes EU REACH dossier information. Irritating.

Serious eye damage/irritation
Dose: 0.1 mL, 8 days, Rabbit Based on available data the classification criteria are not met.

Skin sensitisation
Local Lymph Node Assay (LLNA) - Mouse: Sensitising. EU REACH dossier information.

Germ cell mutagenicity
Gene mutation: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vitro
Chromosome aberration: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo
Chromosome aberration: Negative. EU REACH dossier information. Based on available data the classification criteria are not met.

Aspiration hazard
Aspiration hazard if swallowed.

Acute toxicity - oral
Notes (oral LD₅₀)
LD₅₀ ~4750 mg/kg, Oral, Rat EU REACH dossier information. Based on available data the classification criteria are not met.

Skin corrosion/irritation
Irritating to skin. Defatting, drying and cracking of skin. EU REACH dossier information.
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Serious eye damage/irritation
Causes serious eye irritation. EU REACH dossier information.

Specific target organ toxicity - single exposure
May cause respiratory system irritation.

Target organs
Respiratory system, lungs

Aspiration hazard
Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

SECTION 12: Ecological Information

Ecotoxicity
Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Toxicity
Based on available data the classification criteria are not met.

Ecological information on ingredients.

2-Butoxyethanol

Toxicity
Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

Acute aquatic toxicity

Acute toxicity - fish
LC₅₀, 96 hours: 1474 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 1550 mg/l, Daphnia magna

Acute toxicity - aquatic plants
EC₅₀, 72 hours: 911 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

Chronic toxicity - fish early life stage
NOEL, 21 days: >100 mg/l, Brachydanio rerio (Zebra Fish)

Chronic toxicity - aquatic invertebrates
NOEC, 21 days: 100 mg/l, Daphnia magna

1-Methoxy-2-propanol

Acute aquatic toxicity

Acute toxicity - fish
LC₅₀, 96 hours: 20800 mg/l, Pimephales promelas (Fat-head Minnow)
EU REACH dossier information.

Acute toxicity - aquatic invertebrates
LC₅₀, 48 hours: 21100 mg/l, Daphnia magna
EU REACH dossier information.

Acute toxicity - aquatic plants
EC₅₀, 7 days: >1000 mg/l, Selenastrum capricornutum
EU REACH dossier information.

2-Methoxypropanol

Acute aquatic toxicity

Acute toxicity - fish
LC₅₀, 96 hours: >1006 mg/l, Fish, Estimated value.
Multi Screen Clean Wipes x100 COS

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: >13205 mg/l, Daphnia magna, Estimated value.

**Ethanol**

Toxicity
Based on available data the classification criteria are not met.

Acute aquatic toxicity
LC₅₀, 96 hours: 14200 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates
LC₅₀, 48 hours: 5012 mg/l, Ceriodaphnia dubia

Acute toxicity - aquatic plants
EC₅₀, 72 hours: 11.5 mg/l, Chlorella vulgaris

Chronic aquatic toxicity
NOEC, 9 days: 9.6 mg/l, Daphnia magna

**d-Limonene**

Toxicity
Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.

Acute aquatic toxicity
LE(C)₅₀
0.1 < L(E)C50 ≤ 1

M factor (Acute)
1

Acute toxicity - fish
LC₅₀, 96 hours: 0.72 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 0.36 mg/l, Daphnia magna

Acute toxicity - aquatic plants
EC₅₀, 72 hours: 150 mg/l, Desmodesmus subspicatus

Acute toxicity - microorganisms
EC₅₀, 3 hours: 209 mg/l, Activated sludge

Chronic aquatic toxicity
M factor (Chronic)
1

**Diethyl phthalate**

Acute aquatic toxicity

Acute toxicity - fish
LC₅₀, 24 hours: 23 mg/l, Oncorhynchus mykiss (Rainbow trout)
LC₅₀, 48 hours: 14 mg/l, Oncorhynchus mykiss (Rainbow trout)
LC₅₀, 72 hours: 12 mg/l, Oncorhynchus mykiss (Rainbow trout)
LC₅₀, 96 hours: 12 mg/l, Oncorhynchus mykiss (Rainbow trout)
EU REACH dossier information.

Acute toxicity - aquatic invertebrates
LC₅₀, 48 hours: 90 mg/l, Daphnia magna
EU REACH dossier information.

Acute toxicity - aquatic plants
EC₅₀, 72 hours: 23 mg/l, Scenedesmus subspicatus
EU REACH dossier information.
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Chronic aquatic toxicity
Chronic toxicity - aquatic invertebrates
NOEC, 21 days: 25 mg/l, Daphnia magna
EU REACH dossier information.

Citral
Toxicity
Based on available data the classification criteria are not met.

Acute aquatic toxicity
Acute toxicity - fish
LC₅₀, 96 hours: 6.78 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 6.8 mg/l, Daphnia magna

Acute toxicity - aquatic plants
EC₅₀, 72 hours: 103.8 mg/l, Scenedesmus subspicatus

Pin-2(3)-ene
Toxicity
Aquatic toxicity is unlikely to occur.

p-Cymene
Acute aquatic toxicity
Acute toxicity - fish
LC₅₀, 96 hours: 44 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates
LC₅₀, 96 hours: 4.4 mg/l, Americamysis bahia
LC₅₀, 48 hours: 6.5 mg/l, Daphnia magna

Acute toxicity - aquatic plants
EC₅₀, 96 hours: 49 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity
Chronic toxicity - aquatic invertebrates
NOEC, 21 days: 0.46 mg/l, Daphnia magna

Persistence and degradability
The degradability of the product is not known.

Ecological information on ingredients.

2-Butoxyethanol
Persistence and degradability
The substance is readily biodegradable.

Biodegradation
Water - Degradation 90.4%: 28 days

1-Methoxy-2-propanol
Persistence and degradability
The substance is readily biodegradable.

Phototransformation
Water - DT₅₀ : 3.1 hours
EU REACH dossier information.

Biodegradation
Water - Degradation 96%: 28 days
EU REACH dossier information.
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2-Methoxypropanol
Biodegradation
No data available.

Ethanol
Persistence and degradability
The substance is readily biodegradable.

Biodegradation
Water - Degradation 74%: 10 days

Chemical oxygen demand
1.99 g O₂/g substance

d-Limonene
Persistence and degradability
The substance is readily biodegradable.

Phototransformation
Water - Half-life : 0.365 hours
Estimated value.

Biodegradation
Water - Degradation 80%: 28 days

Diethyl phthalate
Phototransformation
Water - DT₅₀ : 111.1 hours
EU REACH dossier information.

Biodegradation
Water - Degradation >99%: 28 days
EU REACH dossier information.

Citral
Persistence and degradability
The substance is readily biodegradable.

Phototransformation
Water - DT₅₀ : 37.35 minutes

Biodegradation
Water - Degradation 85-95%: 28 days

Pin-2(3)-ene
Persistence and degradability
The product is biodegradable.

Phototransformation
Water - DT₅₀ : 0.44-1.41 hours

p-Cymene
Biodegradation
Water - Degradation 88%: 14 days

Bioaccumulative potential
No data available on bioaccumulation.

Partition coefficient
Not available.

Ecological information on ingredients.

2-Butoxyethanol
Multi Screen Clean Wipes x100 COS

Bioaccumulative Potential

1-Methoxy-2-propanol

Bioaccumulation is unlikely.
Partition coefficient

1-Methoxy-2-propanol
log Kow: 0.81

2-Methoxypropanol

Bioaccumulative Potential

No data available on bioaccumulation.
Partition coefficient

2-Methoxypropanol
log Pow: <1 EU REACH dossier information.

Ethanol

Bioaccumulative Potential

Bioaccumulation is unlikely.
Partition coefficient

Ethanol
log Pow: -0.35

d-Limonene

Bioaccumulative Potential

BCF: ~ 1 - 10, Estimated value. Bioaccumulation is unlikely.
Partition coefficient

d-Limonene
log Pow: 4.38

Diethyl phthalate

Bioaccumulative Potential

BCF: 13.14 L/Kg, Calculation method. EU REACH dossier information.
Partition coefficient

Diethyl phthalate
log Pow: 2.2 EU REACH dossier information.

Citral

Bioaccumulative Potential

BCF: 89.72, Estimated value. The product is not bioaccumulating.
Partition coefficient

Citral
log Pow: 2.76

Pin-2(3)-ene

Bioaccumulative Potential

BCF: 1845, Estimated value. Bioaccumulation is unlikely.
Partition coefficient

Pin-2(3)-ene
log Pow: 4.487

p-Cymene

Bioaccumulative Potential

No data available on bioaccumulation.

Mobility in soil

Mobility

No data available.

Ecological information on ingredients.

2-Butoxyethanol

Mobility

The product is miscible with water and may spread in water systems.

Surface tension

29.53 mN/m @ 20°C
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1-Methoxy-2-propanol

Mobility
Mobile.

Surface tension
70.7 mN/m @ 20°C

2-Methoxypropanol

Mobility
Soluble in water.

Adsorption/desorption coefficient
- log Kow: ~ (-0.45) - (-0.49) @ 25°C Calculation method. - Log Koc: ~ 0.0 - 1.13 @ 25°C Calculation method.

Ethanol

Mobility
The product is soluble in water.

Surface tension
24.5 mN/m @ 20°C/68°F

d-Limonene

Mobility
The product is partly soluble in water and may spread in the aquatic environment.

Adsorption/desorption coefficient
Water - Koc: 1984 @ 25°C

Diethyl phthalate

Adsorption/desorption coefficient
Water - Log Koc: 2.34 @ 21°C EU REACH dossier information.

Henry's law constant
0.0399 Pa m³/mol @ °C Calculation method. EU REACH dossier information.

Citral

Mobility
The product is partly soluble in water and may spread in the aquatic environment.

Adsorption/desorption coefficient
Water - Log Koc: 2.169 @ 25°C Estimated value.

Henry's law constant
0.000376 atm m³/mol @ 25°C

Pin-2(3)-ene

Mobility
The product is insoluble in water.

Adsorption/desorption coefficient
Water - Koc: 2184 @ 25°C Estimated value.

p-Cymene

Mobility
Volatile liquid. Slightly soluble in water.

Other adverse effects
None known.

SECTION 13: Disposal considerations

Waste treatment methods
Multi Screen Clean Wipes x100 COS

General information  The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.

Disposal methods  Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General  The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADG).

UN number  Not applicable.

UN proper shipping name  Not applicable.

Transport hazard class(es)  No transport warning sign required.

Packing group  Not applicable.

Environmental hazards  Environmentally hazardous substance/marine pollutant
No.

Special precautions for user  Not applicable.

Transport in bulk according to  Not applicable.
Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

Inventories  Australia - AICS
None of the ingredients are listed or exempt.

SECTION 16: Any other relevant information

Training advice  Read and follow manufacturer's recommendations.
Issued by  Bethan Massey
Revision date  24/05/2016
Revision  1
SDS No.  1986
Multi Screen Clean Wipes x100 COS

Hazard statements in full
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H322 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H402 Harmful to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.