

Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.4 and 3.12 Application

Application Number: 2010-0630
Application: New end-use product – Product chemistry guarantee, identity and proportion of formulants, as well as product label new site or host.
Product: Lysol Fabric Mist
Registration Number: 30284
Active ingredients (a.i.): Didecyl dimethyl ammonium chloride
PMRA Document Number English PDF: 2113504

Purpose of Application

The purpose of this application was to register a new end-use product, Lysol Fabric Mist, containing didecyl dimethyl ammonium chloride (guarantee: 0.13%) for domestic use as a disinfectant/sanitizer for porous surfaces to be used on fabric around the home. Lysol Fabric Mist is to be use on curtains, bedding, pet areas, hampers, laundry bags, gym bags, shoe interiors and most fabrics around the house.

Chemistry Assessment

Lysol Fabric Mist is a solution containing the active ingredient didecyl dimethyl ammonium chloride at a nominal concentration of 0.13%. This product has a density of 1.002 g/mL and pH of 6.31. The chemistry requirements for Lysol Fabric Mist have been completed.

Health Assessments

Lysol Fabric Mist is of low toxicity to rats via the oral, dermal, and inhalation routes of exposure. It is mildly irritating to the eyes and minimally irritating to the skin of rabbits. It is not a dermal sensitizer in guinea pigs.

A health assessment has been conducted for the new domestic end-use product, Lysol Fabric Mist, for use as a soft surface sanitizer. Exposure to didecyl dimethyl ammonium chloride for individuals applying and re-entering areas treated with the product was determined to be acceptable.

Environmental Assessment

As the product is a disinfectant for domestic use within the home, environmental exposure is limited and no additional environmental data were required for the registration of Lysol Fabric Mist.

Value Assessment

One laboratory trial was carried out with two different fabrics, cotton and polyester. Fabric carriers were inoculated with two bacterial strains, dried and treated with the Lysol Fabric Mist with a 5 minutes contact time, as prescribed in the directions for use of the label. These studies demonstrated the capacity of Lysol Fabric Mist to kill at least 99.9% of the two bacterial strains representing both gram positive and gram negative bacteria. Therefore, Lysol Fabric Mist is considered effective for porous surfaces.

Conclusion

The PMRA has completed an assessment of available information and has found the information sufficient to grant a full registration for Lysol Fabric Mist.

References

PMRA Document Number	Reference
1860193	2009, Sanitization Study: Quantitative Reduction of Bacteria on a Non-Food Contact surface (soft fabric surfaces), DACO 10.1, 10.2.3.1, 10.2.3.3
1860157	2010, Product Identification, DACO: 3.1.1,3.1.2,3.1.3,3.1.4 CBI
1860158	2009, Product Properties (Groups A&B) for Formula 1367-144, DACO: 3.2.1,3.2.2,3.2.3,3.3.1,3.4.1
1860159	2009, Product Properties Data for Formulation 1367-144 Appendix 2: Confidential Business Information Attachment, DACO: 3.2.1,3.2.2, 3.2.3,3.3.1,3.4.1 CBI
1860167	2009, Product Chemistry of formula 1367-1444, DACO: 3.5.11,3.5.12, 3.5.13,3.5.15,3.5.2,3.5.6,3.5.7,3.5.8,3.5.9
1860169	2010, Formulation Type, DACO: 3.5.4
1860173	2010, Container material and Description, DACO: 3.5.5
1860175	2009, Chemical characterization and 2 Years Stability of Formula 1367-144, DACO: 3.5.10,3.5.14 CBI
2000717	2010, 1 Year update (rough only), DACO: 3.5.10,3.5.14 CBI
1860180	2010, Acute Toxicology Summary, DACO: 4.1
1860182	2009, Acute Oral Toxicity Up and Down Procedure in Rats, DACO: 4.6.1
1860184	2009, Acute Dermal Toxicity Study in Rats - Limit Test, DACO: 4.6.2
1860185	2009, Acute Inhalation Toxicity Study in Rats - Limit Test, DACO: 4.6.3
1860187	2009, Primary Eye Irritation Study in Rabbits, DACO: 4.6.4
1860188	2009, Primary Skin Irritation Study in Rabbits, DACO: 4.6.5

1860190	2009, Dermal sensitization Study in Guinea Pigs (Buehler Method), DACO: 4.6.6
2005134	2011, Clarification Response on Acute Studies, DACO: 4.6.1, 4.6.2, 4.6.3, 4.6.4, 4.6.5, 4.6.6
1860191	2009, Assessment of Consumer Exposures to California Proposition 65 Chemicals in Lysol® Fabric Mist (Project Ottoman), DACO: 5.1, 5.2, 5.4, 5.5
2108489	2011, Use Description/Clarification Response

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