



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

Application Number: 2005-4095
Application: B.2.1, B.2.3, B.2.4, B.3.12
Product: Lysol Brand Daily Surface Sanitizer
Registration Number: 28718
Active ingredients (a.i.): Octyl decyl dimethyl ammonium chloride, Dioctyl dimethyl ammonium chloride, Didecyl dimethyl ammonium chloride, Alykyl dimethyl benzyl ammonium chloride (QDF, QDE, QAK, QAC)
PMRA Document Number: 1431584

Purpose of Application

The purpose of this submission is to register a new QAC, QAK, QDE, QDF based sanitizer for domestic use with a new guarantee, new formulants, new proportion of formulants, and new hosts. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Chemistry Assessment

Lysol Brand Daily Surface Sanitizer is a solution containing the active ingredients Octyl decyl dimethyl ammonium chloride, Dioctyl dimethyl ammonium chloride, Didecyl dimethyl ammonium chloride, N-alkyl (40% C₁₂, 50% C₁₄, 10% C₁₆) dimethyl benzyl ammonium Chloride at nominal concentrations of 0.0030%, 0.0024%, 0.0036%, and 0.0080% respectively. This product has a specific gravity of 1.0 and pH in the range of 9.5-11.0. The chemistry requirements for Lysol Brand Daily Surface Sanitizer are complete.

Health Assessments

Lysol Brand Daily Surface Sanitizer is a dilution of the registered products R-82 (PCP # 19274) and R-82F (PCP # 23270). No further data is required because all formulations contain 99.95 % of water.

The use of Lysol Brand Daily Surface Sanitizer in homes is an expansion of use for the PMRA; however, since toxicology has no concerns about the expansion of use into residential areas, and the active ingredients are in several disinfectant product already on the market, the registration of this domestic class product can be supported.

Environmental Assessment

An environmental assessment was not required since Lysol Brand Daily Surface Sanitizer is for use indoors only.

Value Assessment

Data from two laboratory trials were submitted in support of Lysol Brand Daily Surface Sanitizer, which both demonstrated that the product meets the Sanitizer Test for Inanimate Surfaces performance standard. Therefore, the use of Lysol Brand Daily Surface Sanitizer for hard non-porous surfaces is considered acceptable.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to register Lysol Brand Daily Surface Sanitizer.

References

PMRA Document Number	Reference	Author
1107368	2003, Value, Lonza Inc., N/A, MRID: N/S, DACO: 10.1, 10.2.2	Anon
1107378	1980, Efficacy: Laboratory, Growth Chamber Trials., Technical Services Laboratory., Test Report #: MB-723-80., MRID: N/S, DACO: 10.2.3.2	Urban,D.
1107379	2003, Adverse Effects n Use Site- Summary., Lonza Inc., N/S, MRID: N/S, DACO: 10.3.1, 10.3.2	Anon
1107353	2000, Product Identification, DC-103F.RTU/PC001, DACO: 3.11107354 2000, Formulation Process, DC-103F.RTU/PC001, DACO: 3.2	
1107358	2000, Establishing Certified Limits, DC-103F.RTU/PC001, DACO: 3.3.1	
1107359	2000, Enforcement Analytical Method, DC-103F.RTU/PC001, DACO: 3.4.1	
1107360	2000, Enforcement Analytical Method, HPT-0018, DACO: 3.5	
1107361	2001, Lonza Formulation DC-103F- Accelerated Storage Stability and Corrosion Characteristics., SP-00076-A, DACO: 3.5.10	

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