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Toxicological Risk Assessment for “Rid Odor”

Background

The maximum weight of a single container of Rid Odor that is available for consumers is 32 fluid ounces (approximately 947 grams). A quantitative list of the ingredients in this material and a Material Safety Data Sheet (MSDS) for two of these ingredients were submitted to the reviewer. It is assumed that these ingredients contain no contaminants at concentrations that would be toxic, corrosive or irritating to an exposed consumer. Rid Odor Enterprises,” LP “ has requested that this product be evaluated for potential acute and chronic toxicity via dermal contact and ingestion as well as corrosive/irritation potential and sensitization (allergic reactions) potential as defined in the U.S. Federal Hazardous Substance Act (FHSA) Regulations (16 CFR Parts 1500.3, 1500.4, 1500.5, 1500.12, 1500.13, 1500.17, 1500.40, 1500.41, 1500.42, 1500.129 and 1500.135).

Exposure Assessment

An exposure assessment scenario for a given chemical of concern to a potential human receptor consists of creating a series of logical pathways and events whereby that chemical could reasonably be expected to come into contact with that receptor. For this assessment, as much as 947 grams of this material (maximum weight of material in a single consumer product) may be expected to make frequent direct contacts with the skin of a consumer as multiple exposure events and/or smaller amounts of material may occasionally be ingested and/or may, on very rare occasions (if ever), contact the eyes as single exposure events. Residues of the semi-volatile ingredients that evaporate from this material are assumed to be diluted at least 100-fold with fresh ambient air before they are inhaled.

Toxicity Assessment

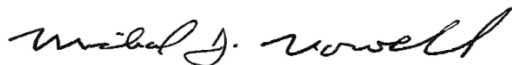
Searches of the National Library of Medicine’s Toxicological databases, information in the submitted MSDSs and from other sources provided no data to indicate that any of the ingredients in as much as 947 grams of this material would be expected to cause significant acute or chronic toxicity via dermal contact, inhalation or ingestion or be corrosive or irritating to the skin or corrosive to the eyes of consumers who may be exposed as described above. However, the denatured alcohol in this material, at a concentration of 15%, has been reported to be irritating to the eyes. None of the ingredients in this material has been designated a “Strong Sensitizer” under the regulations cited above.

Risk Assessment/Conclusions

The potential risk from a chemical substance to an individual is a function of both the exposure to and the toxicity of that chemical. Since none of the ingredients in as much as 947 grams of this material would be expected to cause significant toxicity, be corrosive to the skin or eyes or be irritating to the skin, it is reasonable to conclude that these types of adverse health effects would not be expected to occur to a consumer who may be exposed as described above. However, unless data are available to indicate otherwise, it would be prudent to assume that the denatured alcohol in this material (15%) may be expected to be irritating to the eyes on contact and irritate the lining of the gastrointestinal tract

(which could result in nausea, vomiting and diarrhea) if ingested. Although none of the ingredients in this material would be expected to cause a sensitization (allergic) reaction in the vast majority of exposed individuals in the general population, a remote possibility exists that a few persons who are allergic to one or more of them, could experience a sensitization reaction on exposure. Such an event, while expected to be rare, cannot be absolutely ruled out. This product contains no ingredients at levels that are prohibited or restricted for use in consumer products sold in the U.S.

Thus, based on a review of all the available information provided to date and if the assumptions mentioned above are correct, it is this reviewer's opinion that this "Rid Odor" product would be expected to be safe when used as intended (not be permitted to contact the eyes or be ingested) but if it is used carelessly or under circumstances involving reasonable foreseeable misuse, it may be expected to cause irritation as discussed above.



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Date