

June 16, 1993

Mr. Danny Hamilton
Cyndan Chemicals
P.O. Box 334
Dee Why, NSW 2099

Dear Mr. Hamilton:

Biodegradability - "Soil-D"

We wish to confirm that the suppliers of the surfactant and other ingredients that are in your product, Soil-D have guaranteed them to be biodegradable.

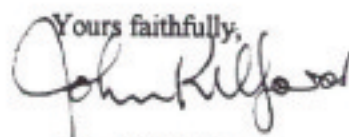
A biodegradable surfactant is defined in Australia as one that meets the criteria established by Australian Standard AS1792-1976 "Method of Determining the Biodegradability of Surfactants". In practice, biodegradability is a relative term referring to the breakdown of a material by the action of the bacteria present in the environment. Thus, if a biodegradable material is spilled or placed in soil, after a short period, analysis will show less of the material present. This decline reflects biodegradation and will continue until all of the material has disappeared; it has then been completely biodegraded.

On the other hand, non biodegradable material if spilled or placed in soil, will not show a significant reduction in concentration in that same short period. This means that if more of the non biodegradable material is subsequently added, it is going to build up in the soil, unless some other action such as leaching is taking place.

The National Health and Medical Research Council has made biodegradable surfactants mandatory for use in:

- Personal care products including cosmetics and toiletries
- Household cleaning and washing products
- Maintenance cleaning and washing products
- Industrial processes and textile scouring

We believe that biodegradability may be an advantage in products such as Soil-D since there is little chance of building up levels of detergency that may turn out to be dangerous to plants. Plants of course have adapted to natural levels of surface tension in the soil (this is the property that surfactants alter), and so, once the soil has been wetted by Soil-D, the product's job is essentially complete, and its disappearance from the system is likely to be an advantage. We also believe that use of biodegradable surfactants in soil additive applications demonstrates a caring attitude to the environment.

Yours faithfully,

John Kilford

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■ Material Safety Data Sheet Preparation ■ Label Preparation
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