

TECHNICAL SAFETY DATA SHEET

HD 79 - Odorite Ultra Dishwashing Liquid

Section 1. Product Description

Odorite Ultra dishwashing liquid is a fully formulated concentrate that is arguably the most technologically advanced in Africa designed for both FMCG retail, as well as for commercial/industrial use.

Although automatic dishwashers are common in many homes today, manual dishwashing (MDW) is still quite prevalent. In fact, even in homes with a dishwasher, pots, pans and other kitchenware often still need scrubbing or soaking before becoming completely clean – and MDW detergents are commonly added to the soak. But most people perceive dishwashing and soaking processes as tedious and laborious.

Enzymes in MDW (manual dish washing) detergents can take significant scrubbing effort out of the manual dishwashing process and dramatically increase the effectiveness of soaking by more than 50%, while still respecting skin sensitivity.

Odorite Ultra Dishwashing Liquid features revolutionary technology that penetrates the toughest greasy, burnt-on food soils on dishes, pots, and pans. The product is fully formulated with a proprietary enzyme stabilizer pack to ensure maximum stability in storage, anti-corrosion surfactants & an eco-friendly biocide – Odorite Ultra Dishwashing Liquid technically the most advanced MDW liquid in Africa.

Add the required amount of Odorite Ultra Dishwashing Liquid into the sink with warm water and let the powerful formula work for 5 - 10 minutes (up to 30 minutes for especially tough grease and burnt on soils).

As you rinse, the grease or burnt-on food mess literally slides off, leaving you with like-new clean pots, pans, dishes and plates. The formulation is designed to allow for anti-deposition of any soils.

Odorite Ultra Dishwashing Liquid has the power you need to fight tough grease and get the squeaky-clean dishes you're looking for.



Deserts Chocolate Coffee/Tea Dirt Fruit Juice Gravy

And so many more



Ketchup Lipstick Fats & Oil Pasta Salsa Wine

Section 2. Contains the Following

Odorite contains no Phosphates and less surfactant but we have added enzymes that fulfill a very important cleaning function in dishwashing as well as preventing FOG (Fats, Oils & Grease) buildup in the drain.

Section 3. How it works and benifit wash

- The formulation includes a powerful liquid Amylase enzyme that improves the removal of starch containing soils such as rice, potatoes, wheat, and corn. Also cocoa stains and processed food stains containing starch such as thickeners, the target for this enzyme.
The old and out-dated way of removing starch stains, through long washes and soaking in hot water for ages is now a thing of the past. By adding the Amylase enzyme, starch can be removed at lower temperatures and at short soak cycles reducing energy consumption and wastewater emission, saving you money.
Starch functions as glue on which any particulate soil in the dirty wash water will stick. By removing starch from the dishes the Amylase enzyme reduces the redeposition of soil onto the dishes during the wash, improving overall cleanness of the dishes.
- Are enzymes lemons? The short answer is – NO. As for our second enzyme in the formulation we selected a new and highly efficient Lipase enzyme which was developed for use in detergent formulations to facilitate removal of soils containing vegetable or animal fats and oils, such as frying fat, salad oil, butter, gravy and cosmetics. Such stains can be difficult to remove at low washing temperature and modest detergent alkalinity, especially when some of the fat components are high melting.
- The third enzyme in the formulation is a liquid Protease, like no other on the market. Your detergent needs a superior protease that is even more powerful than the ones used in other detergents. This Protease works magic on all types of common household protein stains including hard to remove egg-yolk stains.

Consumers have long searched for a dishwashing detergent that is effective in removing stubborn protein stains.

Now, Odorite Ultra Liquid Dishwashing Liquid will meet your needs – a remarkable solution to this age-old problem.

Odorite Ultra Liquid Dishwashing Liquid delivers an exceptionally high level of cleaning on all types of dishes, pots and pans.

Odorite Ultra Liquid Dishwashing Detergent is 100% biodegradable, free rinsing and leaves dishes and eating utensils sparkling and "squeaky clean".

Benefits:

- Highly active - only small amounts dishwashing liquid required
- Free rinsing - dishes can be left to air dry without streaking
- Biodegradable
- Very economical
- Contains a pleasant, fresh fragrance
- Will not dry out your hands and skin
- Less electricity required as warm water only is required
- Less energy is required to clean dishes
- Contains no caustic
- Anti-rust compound prevents rusting/pitting on metals
- Bio-friendly (Bio-Cide) preservative system

Section 4. Point of Difference

Odorite Ultra Dishwashing Liquid Detergent remains highly active in both hard and soft water and in warm or cold water.
Phosphate free

Section 5. Directions for use

Domestic use	:	simply add 2.5 ml Odorite Ultra Liquid Dishwashing Detergent to the sink prior to filling with water.
Commercial applications	:	Add 2.5 ml Odorite Ultra Liquid Dishwashing Detergent per 5 litre of water.
Shelf Life	:	12 months from date of manufacture.
Available packaging	:	25 liter containers
General user Information	:	Choose your product based on Performance Keep track of how much is actually required to get the dishes clean. Some formulas will break down much more quickly requiring you to change the water more frequently.
		Odorite Ultra Dishwashing Liquid is formulated to give maximum stability for both the enzymes & surfactants, while remaining biodegradable & environmentally friendly.
Fragrance	:	Some people choose their dish washing liquid based on the fragrance, and there are many to choose from. Odorite Ultra Liquid Dishwashing Detergent is formulated with a "Citrus Freshness" fragrance
Color or display	:	Many brands of dish washing liquids have different colors for their dishwashing liquid. Odorite Ultra Liquid Dishwashing Liquid is green to reflect our environmentally friendly cleaning profile.
Environmental Aspect	:	There may be some reasonably environmentally friendly dish washing liquids on the market for those who are environmentally conscious. Find a brand that uses natural ingredients such as bio-enzymes and/or uses recycled materials or packaging material suitable for recycling, which is readily biodegradable and does not contain phosphates.
Gentleness on Hands	:	Many people may be sensitive to detergents. Find a dish washing liquid that is gentle on your hands, or use rubber gloves, disposable gloves, or latex free gloves when washing the dishes.

Effects of repeated short-term skin contact with proteolytic enzymes.

Lee MY, Park KS, Hayashi C, Lim HH, Lee KH, Kwak I, Laurie RD.

PMID: 11918599 [PubMed - indexed for MEDLINE]

Section 6. Abstract

The objective was to investigate effects on the hand of protease used in dishwashing liquids (DWL). A group of 30 Koreans (normal skin) and 24 Japanese (12 atopic and 12 normal) were employed for two different studies, respectively. The 30 Koreans were divided into three groups. Each group immersed their hands for 15 min a day for 9 days into DWL (dish washing liquid) containing protease, or non-enzyme DWL. The 24 Japanese immersed their hands for 15 min a day for 4 days into protease-containing or a non-enzyme DWL. The hand skin was evaluated by measuring overall and dry skin grades, estimated before and after exposures to the test products.

The Korean study shows that protease-containing DWL are less irritating to the skin than non-enzyme control, as measured by better overall skin grades and less dry skin. The Japanese study shows that protease-containing DWL are less irritating to the skin than nonenzyme control in both atopic and normal subjects.

The protease use did not cause any adverse dermatological effects to atopic subjects compared with non-enzyme control. Both studies indicate that protease resulted in better skin mildness profile, without causing adverse dermatological complications to the subjects.

Summary of Active Ingredients:

Enzymes help break down films of food that stick to the plate such as starches and sugars that can be broken down by Amylases. Proteases will breakdown proteins and Lipases will cut through greases and fats. By breaking down these films, grease and fats it will have a remarkable visual effect in the cleaning of your dishes and will stop further particles of dirt sticking to these films (anti redeposition). In addition this formula will also prevent clogging of your drain.

The information contained in this leaflet is to the best of our knowledge, true & accurate, but any recommendations or suggestions which may be made are without guarantee since the conditions of use are beyond our control. No license or immunity under any patents is granted or implied.

The information contained in this leaflet is to the best of our knowledge, true & accurate, but any recommendations or suggestions which may be made are without guarantee since the conditions of use are beyond our control. No license or immunity under any patents is granted or implied. Hygiene Disposables does not guarantee that the above products can be used as described without prior positive testing or the use of these products does not infringe third parties' patent rights

HYGIENE DISPOSABLES

1 Bushbuck Close - Unit 2, Corporate Park - South, Midrand
Tel: +2711 314 0714 • E-mail: sales@hyg.co.za • Web: www.hyg.co.za