



BIO-ENZYM®



ABOUT THE COMPANY

BIOPROSPECT s.r.o. has been on the market since 1994.

One activity of the company is its own preparation and treatment of biological -products for the removal of organic impurities, odours, etc. These bio-enzymatic formulations effectively accelerate the decomposition of organic waste and renew the natural decomposition process. Since the beginning, BIOPROSPECT has been collaborating with the leading experts - biologists and chemists from a pharmaceutical company in England and experts from the Department of Water Technology and Environmental Engineering in the Czech Republic.

The company is gradually successfully expanding to other European countries: England, Germany, Slovakia, Ukraine and Kazakhstan. In the near future, we are going to export to Italy, Greece and Poland. In Germany, BIOPROSPECT won the tender of one of the largest producers of wastewater treatment plants due to the functionality and efficiency of its bio-enzymatic formulations in comparison to other rival companies being tested.

As a separate entity, Bioprospect s.r.o. is constantly developing new products together with the mentioned experts.



BIO ENZYMES BIO-P: BIOLOGICAL TREATMENT OF ORGANIC WASTE

Organic waste contains a mixture of complex substances, which must usually be separated into single compounds. If time allows, nature itself is able to dispose of such complex compounds thanks to enzymes produced by the activity of microorganisms present in sewage water.

Due to the requirements placed on modern processing plants, this natural decomposition process is often significantly limited by the shortage of time, which may result in the need for the physical elimination of excess waste and its storage in a safe place.

Modern cleaning and hygienic agents often create unfavourable conditions and reduce the natural flora in such a way that the process of natural hydrolysis is greatly suppressed or even completely stopped. This interruption of the natural decomposition cycle can be remedied by the addition of biologicals, which adds enzymes / bacteria in sufficient concentration in order to replace damaged or destroyed natural microorganisms. In this field, the Bioprospect Company, which supplies bio-enzymatic agents to the market, constantly cooperates with biochemists in England and the leading experts from the Department of Water Technology and Environmental Engineering UCT Prague in the Czech Republic.

Mode of action:

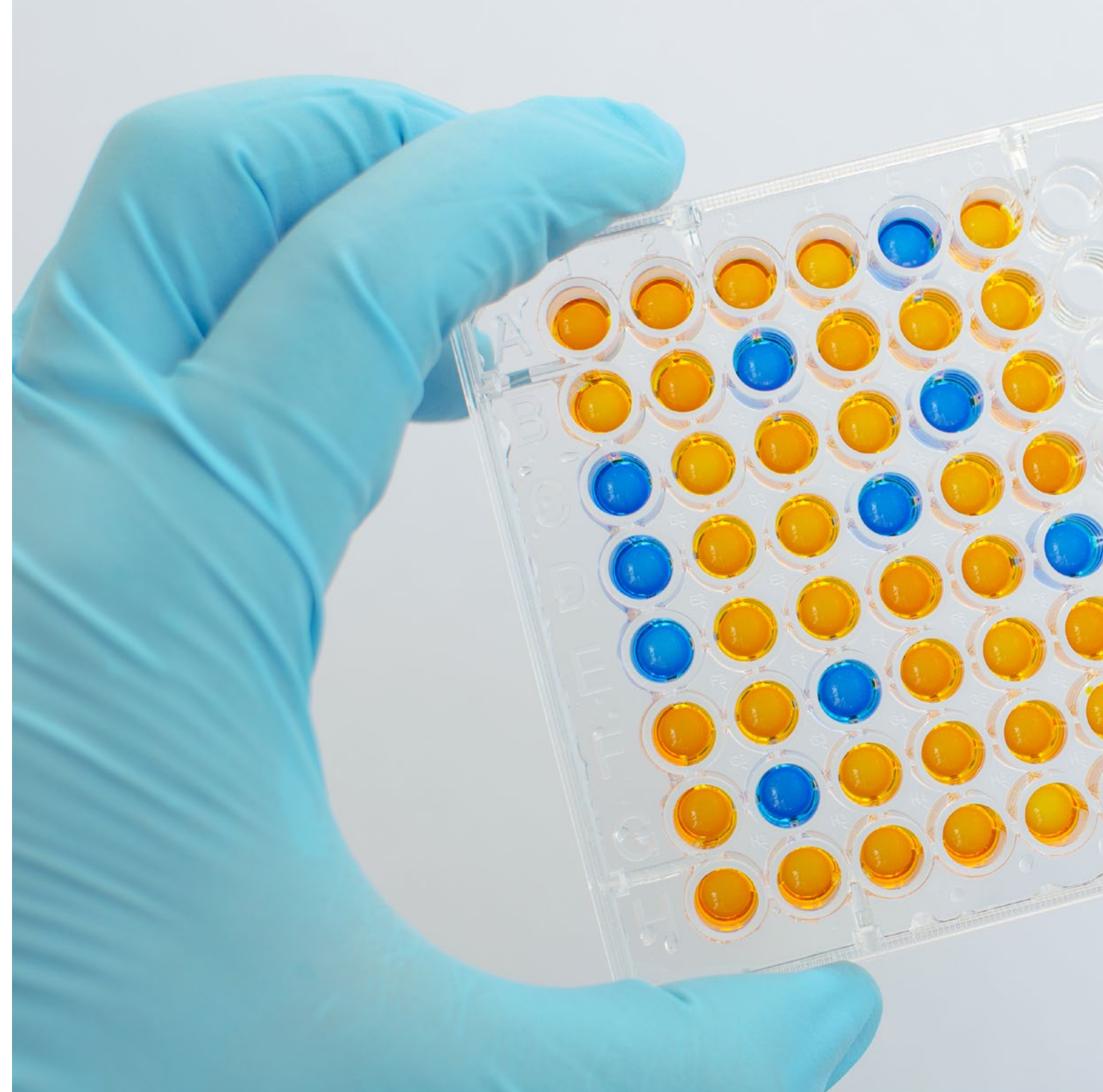
Enzymes contained in the BIO-P product immediately start the decomposition process of organic substances. The reaction products together with the nutritional components in BIO-P create an ideal environment for the growth of bacteria present. These organisms then produce more enzymes, which are capable of decomposing proteins, carbohydrates and fats. Such hydrolysis together with continuous application of BIO-P promotes the liquefaction of the waste and greatly reduces unpleasant odours.

Characteristics of the product and its composition:

BIO-P is a standardised mixture of enzymes, nutritional components and bacteria (harmless to human health). Bacteria, *Bacillus subtilis*, produce various kinds of enzymes during their multiplication, such as amylase, protease and cellulolytic system (cellulase, hemicellulase).

Application and usage:

The product can be used for: household organic waste (septic tanks, cesspools, siphon traps, pipelines), sewage treatment plants, grease traps, industrial or agricultural waste, it can be used for cleaning heavily soiled areas as well, etc. It is also suitable for institutions with large concentrations of people, such as schools, nurseries, retirement homes, hotels, restaurants, etc.





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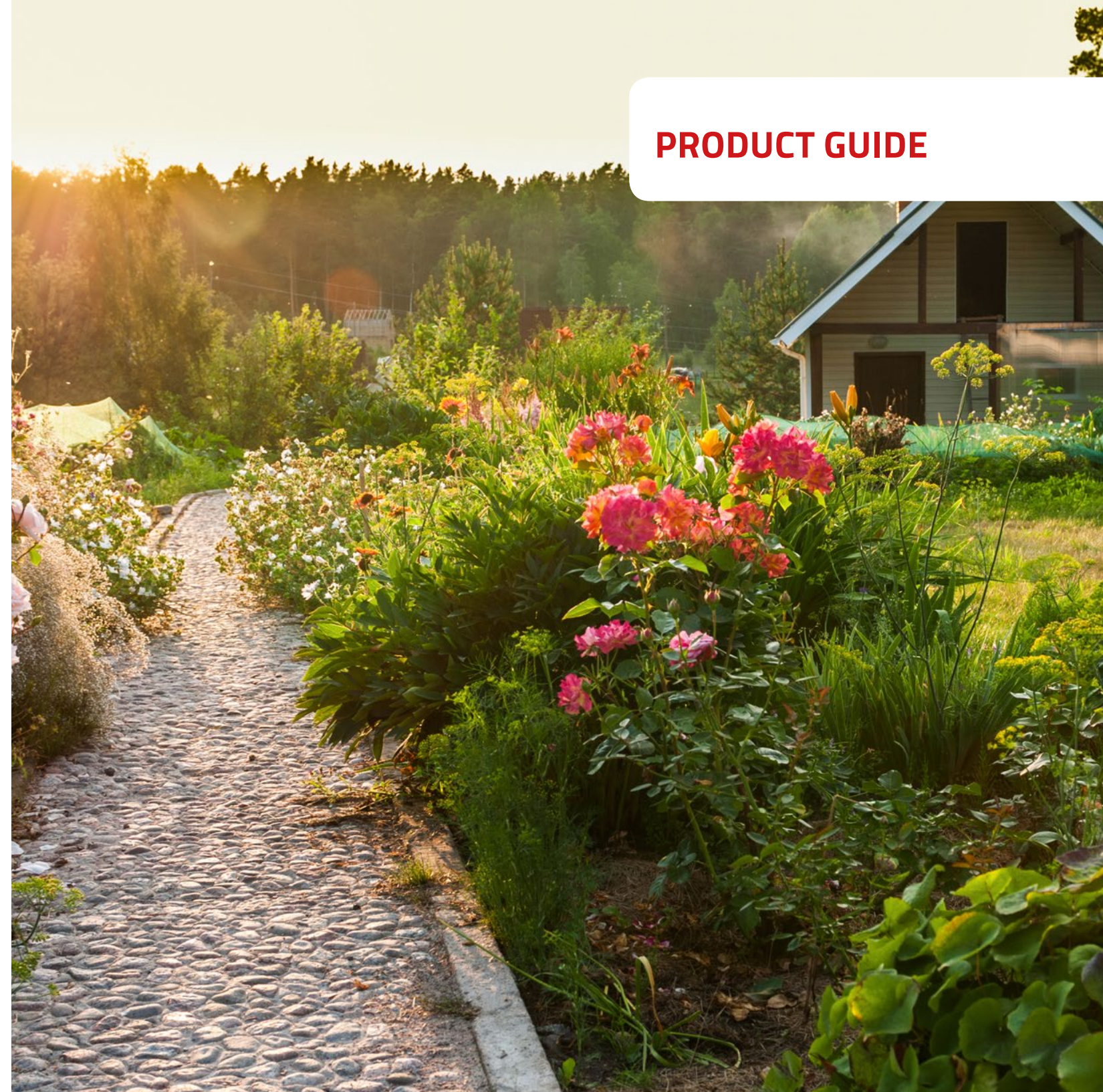
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PRODUCT GUIDE





BIO-PI

A biological enzyme product intended for use in septic tanks, cesspits, dry compost toilets and domestic sewage systems. It contains a mixture of natural bacteria and enzymes which break down hard layers of organic matter, restoring the original capacity of the septic. Furthermore, it significantly reduces unpleasant odours. It is non-toxic to humans, animals and plant life. Restores and accelerates the natural decomposition process.

**BIO-P1 FOR USE IN SEPTIC TANKS,
CESSPITS, DRY COMPOST TOILETS AND
DOMESTIC SEWAGE SYSTEMS**





BIO-P2

A biological enzyme product intended for the decomposition of fats in waste water systems. It contains a mixture of natural bacteria and enzymes which break down fats in organic matter preventing the build up of fats in waste water systems and fat traps. It prevents the clotting of fat on the inside of waste pipes, and the hardening of fat in fat traps. Furthermore, it significantly reduces unpleasant odours. It is non-toxic to humans, animals and plant life. Restores and accelerates the natural decomposition process.

BIO-P2 DECOMPOSITION OF FAT





BIO-P3

BIO-P3 WASTE PIPES

A biological enzyme product that breaks down organic matter in waste water systems. It contains a mixture of natural bacteria and enzymes which break down organic matter in waste pipes connected to sinks, baths and basins. It stops the build up of organic matter in waste pipes preventing blockages. Furthermore, it significantly reduces unpleasant odours. It is non-toxic to humans, animals and plant life. Restores and accelerates the natural decomposition process.





BIO-P4

A biological enzyme product designed to accelerate the maturation of compost. It contains a mixture of natural bacteria and enzymes capable of decomposing organic substances, reducing the volume of solids. It effectively processes grass cuttings, wood chips, leaves and all other garden and household organic waste. It produces a compost rich in nutrients which reduces the need for other fertilisers in the garden. It is non-toxic to humans, animals and plant life. Restores and accelerates the natural decomposition process.

BIO-P4 ORGANIC COMPOST ACCELERATOR





BIO-P5

A biological enzyme product intended for use in fish ponds to prevent the formation of algae, improve water quality and support the growth of fish. This product effectively breaks down organic matter in fish ponds caused by fish faeces and rotting vegetation. This improves the biological balance of the pond by reducing nutrient levels in the water necessary for algae to grow, resulting with clearer water. It also reduces unpleasant odours associated with organic matter. This is a gradual process which is long lasting, non-toxic to aquatic life and is suitable for use all year round.





WASTE WATER

BIO-P6 WASTE WATER TREATMENT SYSTEMS

A biological enzyme product intended for use in domestic Waste Water Treatment Systems (WWTS). It contains a blend of natural bacteria and enzymes, which upon application kick-start the biological process required to effectively maintain a WWTS. This product is suitable for application to aeration tanks where the process of biological bacteria cleaning takes place to reduce the organic content of sewage. It is also very effective at breaking down fats in waste water systems which can cause damage to pumps and other components.





SEPTIC SHOCK

This unique, highly concentrated product is designed for severely neglected septic tanks, cesspits and dry compost toilets. It contains a blend of natural, highly active non-pathogenic microorganisms that biologically decompose hard layers of organic matter. Furthermore, it significantly reduces unpleasant odours. SEPTIC SHOCK is an important complement to product BIO-P1 for septic tanks.



SEPTIC SHOCK



SMELL

- BAD SMELL REMOVAL
- LONG-TERM AND PLEASANT SCENT
- NO STAINS
- FRIENDLY TO ANY SURFACE

Destroys unpleasant smells by direct neutralisation instead of mere covering. It is suitable for upholstery, bed-clothes, chair seats, shoes, car interiors. It further copes with sweat, vomit, faeces, urine, cigarette and kitchen smells, domestic animal breeding smells and etc. Can be applied either into a room space as an air freshener or as a scent for air conditioning systems. The product is not classified as dangerous for the environment and it is biodegradable.

STOP TO BAD SMELLS WITH FRUIT SCENT





SMELL

- CIGARETTE SMELL REMOVAL
- WITH CHERRY SCENT
- PLEASANTLY SCENTS SPACE AND FABRICS AS WELL
- WIDE RANGE OF APPLICATION
- FRIENDLY TO ANY SURFACE

It is used for cigarette smell removal both in cars and in household as well. It destroys unpleasant smells by direct and perfect neutralisation instead of mere covering. As a result we obtain a pleasant atmosphere thanks to its light fruit scent.



STOP TO CIGARETTE SMELL



STOP

- ELIMINATES THE SOURCE OF THE MOULD
- LONG TERM EFFECT
- FRIENDLY TO ALL SURFACES

This biological product is used to eliminate mould in the long term. It is appropriate for: internal and external walls, brickwork and masonry, grouting, bath, sink, shower and window surrounds and other affected places. This reduces the level of irritant and allergic spores within the room. It doesn't cause discolouration or damage to materials, and doesn't smell bad.





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