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Mention du Jury - Prix Ecoproduit  
pour le développement durable  
**Prix Entreprises &  
Environnement** ÉDITION 2005

## FICHE DE DONNEES DE SECURITE

### Safety data sheet

#### 1. IDENTIFICATION OF SUBSTANCE

Commercial name	:	1) Sol-Actif
Utilisation	:	Organic fertiliser improving soil biological properties by stimulation of chitinolytic a microflora antagonistics of phytopathogens.
		<u>Authorisation number 1080010 Stimultaion of chitinolytic microflora</u>
Distributor	:	FRANCE CHITINE As per letter head

#### 2. HAZARDS

Major risks	:	:Non hazardous product. Not classed as dangerous according to directive 1999/45/CE
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#### 3. COMPOSITION

Nature	:	Natural Polymer of N-Acétly-Glucosamine and Glucosamine.
N°CAS	:	1036-64-3, 3416-24-8
N°EINECS	:	233-115-1,222-311-2

#### 4. FIRST AID

Généralités	:	In case of doubt consult a physician.
Inhalation	:	risk linked to powder form that can obstruct respiratory canal.
Skin	:	Non irritating
Eyes	:	Non irritating
Ingestion	:	If swallowed no specific intervention is indicated as the compound is not likely to be hazardous by ingestion.

## 5. FIRE FIGHTING

### Fire

As for all dry organic matters inflammation is possible at very high temperature or by contact with a flame.

### Explosion:

No minimum temperature of ignition or minimum explosive concentration known for that material.

### Extinguishment equipment.

Water, powder, foam, carbon dioxide.

## 6. ACCIDENTAL RELEASE

Environnemental Précautions	:	abundant natural polymer, no particular one
Méthod for cleaning up	:	no particular method.

## 7. HANDLING AND STORAGE

Manutention	:	As any non dangerous powder form material.
Storage	:	Keep in original packaging cover to avoid contamination Keep in dark and cool place

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Limit of exposure	:	Nil
Respiratory protection	:	Dust mask
Hand and skin protection	:	Gloves
Eyes protection	:	Goggles

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Aspect	:	Powder or flakes
Particle size	:	Powder: 35 mesh
Humidity	:	Max 10%.
Solubility	:	Nil
Coulor	:	Off white.
Bulk Density	:	from 0.25 gms/ml up to 0.6 gms/ml.

## 10. STABILITY & REACTIVITY

Product	:	Inert, not soluble.
Dangerous decomposition products	:	Nil
Incompatibility	:	Nil

### 11. TOXICOLOGY

Polyaminosaccharides are natural polymers of high molecular weight : No cytotoxicity, no mutagenicity, no activation of human complement.

### 12. ECOLOGICAL INFORMATION

No risk of accumulation, polymer of natural origin 100% biodegradable.  
Chitinases are digestive enzymes that break down glycosidic bonds in chitin. Chitinivorous organisms include many bacteria and fungi, but as well what may seem unusual plants are source for chitinases. Chitin, like cellulose, is abundant but difficult to digest. Certain fish can digest chitin to sugar but as well a lot of mammalian including human (human chitinases appear in gastric juices). This is likely to be digestive chitinase for catabolic activity, further chitinase activity can be detected systemically in humans, in the blood and possibly cartilage.

### 13. DISPOSAL

Recommended method to dispose of the product without danger: None

### 14. TRANSPORT INFORMATION

Not dangerous during transport, no labelling or placard required.

### 15. REGULATORY INFORMATION

Use in organic farming : Can be used in organic farming according to some countries regulation, check before use what is the local regulation in force.

### 16. OTHER INFORMATION

This form completes the technical notices of usage but does not replace them.

The attention is drawn to users against the eventual risks encountered when the product is used for other purposes than those for which it is intended. In no case can this form exempt the user from knowing and applying all the regulation texts of his activity.