

## Absolute Clear MSDS

### 1. Identification of the substance/preparation

Synonyms: enzyme products

### 2. Composition/Information on Ingredients

Components not listed are either non hazardous or in concentration of less than 1%

Concentrated Enzymes	CAS	N/A
Water	CAS	7732-18-5
Surfactant	CAS	N/A
Sodium Xylene	CAS	1330-72-7
Silsurf	CAS	N/A

<u>Hazardous Ingredient/ Impurity</u>	<u>%Conc.</u>	<u>Classification</u>	<u>Exposure</u>	<u>CAS</u>	<u>EINECS</u>
None					

### 3. Hazards Identification

Classification:

Surfactant blend non hazardous

Irritation to skin, risk of serious dangerous to eyes.

### 4. First aid measures

Immediate medical attention is required in case of exposure by inhalation, contact with skin or eyes, or if swallowed.

<u>Exposure Route</u>	<u>Symptom</u>	<u>Treatment</u>
Inhalation	May cause irritation	Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.
Skin contact	Redness and irritation	Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin are damaged or if irritation persists seek medical attention.
Eye Contact	Irritation	Irrigate thoroughly with water for at Least 15 minutes. Obtain medical attention. Do not delay.

Ingestion

Irritation of gastrointestinal  
Tract, nausea, diarrhea

Wash out mouth with water. Do not  
induce vomiting. If patient is conscious,  
give water to drink. If patient feels unwell  
seek medical attention.

Immediate treatment / Antidote: symptomatic treatment

## 5. Fire fighting measures

Suitable Extinguishers: water

Hazardous Combustion products: None in normal use. Fire creates fumes including carbon  
Dioxide and sulphur dioxide. Carbon oxides and traces of incompletely burned carbon  
Compounds, silicon dioxide, and formaldehyde.

Special equipment for fire fighting : self contained breathing apparatus

## 6. Accidental release measures

Personal Precautions: Wear appropriate PPE – see section 8

Clean up procedure: Vacuum or sweep up avoiding generation of mist. Place in suitable labeled  
Containers and hold for waste disposal. Wash spill site with water.

## 7. Handling & Storage

### Handling

Ventilation: good general ventilation

Recommended procedures & equipment: avoid creating mists

### Storage

Temperature range: 0 deg C to 40 deg C for product viability only.

Humidity range: all

Keep away from: See section 10

Suitable storage media: original container with closed lid.

Precautions against static discharge: recommended

## 8. Exposure controls/personal protection

Component	LTEL(8h TWA)	STEL(15 mins)	Type
None			

Personal Protective Equipment:

Respiratory: Dust mask

Hand: Wash hands after use. Gloves recommended.

Eye: Safety glasses or goggles recommended.

Skin: Wash after exposure. Overalls and boots recommended.

Environmental controls: Users should be aware of environmental considerations and their duties under the environmental protection act.

Hygiene measures: Always wash thoroughly after handling.

## 9. Physical & Chemical Properties

Appearance	water like liquid, brown
Odor	slight
pH	4.0 – 5.0
Boiling point/range	similar to water
Melting point/range	similar to water
Flash point	N/A
Flammability	Not flammable under normal conditions of storage & handling
Autoignition temperature	N/A
Explosive limits	N/A
Oxidization Properties	None
Vapor Pressure	similar to water
Relative density	1.006
Solubility in water	Soluble. Disperses in water.
Solubility in solvent	Not soluble
Partition coefficient	N/A
Viscosity	similar to water
Vapor density	similar to water
Evaporation rate	similar to water
Conductivity	same as water

## 10. Stability & Reactivity

Stability: Stable under normal storage and handling conditions.

Conditions to avoid: Accumulations of product in enclosed spaces and generations of mist. Avoid

Contact with oxidation chemicals.

Hazardous decomposition products: oxides of carbon and sulphur

#### 11. Toxicological Information

Toxological effects: Low acute oral toxicity although ingestion will cause irritation of the gastrointestinal tract and may result in nausea and diarrhea. May cause mild mechanical irritation to eyes, skin and mucous membranes. May cause irritation from allergic reaction, especially to people that have a history of allergic reaction.

#### 12. Ecological information

Environmental effects: minimal impact under normal conditions of use and storage. The other Components are unlikely to bio accumulate and are biodegradable.

Mobility: disperses in water

Degradability: contents are biodegradable

Bioaccumulative potential: not likely

Aquatic Toxicity: non known

#### 13. Disposal considerations

Substance: Via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

Container: As substance.

#### 14. Transport Information

UN number	Class
Primary Hazard	Subsidiary Hazard
Packing Group	Emergency Action Code
H.I. number	Marine Pollutant
Proper Shipping Name	Water treatment compounds

## 15. Regulatory Information

Label Name	Absolute Clear
Symbols	no risk or safety phrases stipulated
Risk Phrases	no risk or safety phrases stipulated
Safety Phrases	no risk or safety phrases stipulated

Use of this material may be governed by the following regulations: (users are advised to consult these regulations for further information).

## 16. Other Information

This material must not be used for direct contact with food.

Further details may be available upon requests.

Other: The product has been shown to be free of Salmonella and Shigella using the procedures outlined by AOAC and USDA.

### Legal Disclaimer:

The above information in this MSDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, OR USE OF THIS PRODUCT.