



## MATERIAL SAFETY DATA SHEET

### XYNOL DE-SCALER

1. PRODUCT AND COMPANY IDENTIFICATION.	
Product name:	<b>XYNOL DE-SCALER</b>
MSDS #:	VERT 0037
Product Code:	VCME#0037
Recommended use:	<b>This MSDS is designed for workplace employees &amp; general home application for use of the emergency personnel and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of Safety and Health Administration.</b>
	It demonstrates phenomenal results against Rust, Hard Stains, Ideal solution for oily and greasy surfaces in Mega Factories, Kitchens and Workshops. Removes Lime Scale Deposits also.
Manufacturer/Supplier:	VERTEX CONCEPTS FZE, P.O. Box: - 9072, SHARJAH (U.A.E)
Regional Manufacturer :	<u>M/s Green Apple Hygiene Care,</u> Survey No. 278, Industrial Estate, Demni Road, Dadra-396230 (Dadra & Nagar Haveli)

2. HAZARDOUS INFORMATION	
Classification of the substance or mixture	Not classified
<u>GHS label elements</u>	
Hazard statements	While this material is not considered hazardous by the CCCR <b>Chemicals and Containers Regulations, 2001 (SOR/2001-269)</b> , this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
<u>Precautionary statements</u>	Keep away from heat, sparks and open flames and store in a cool, well-ventilated place.
General	<b>Complies with CCCR Chemicals and Containers Regulations, 2001 (SOR/2001-269)</b>
Prevention	Keep out of reach of children
Response	<b>Skin:</b> (or hair): Take off immediately all contaminated clothing. Rinse skin with water. <b>Clothing:</b> Rinse the clothing and skin with plenty of water before removing clothes. <b>Eyes:</b> Rinse cautiously with water for Several minutes. Remove contact lenses, if present and easy to do. <b>Inhalation:</b> Remove person to fresh air and keep comfortable for breathing. <b>Ingestion:</b> Rinse mouth. Do NOT induce vomiting.
Storage	<b>Store in Well ventilated Room. Avoid Direct Sunlight.</b>
Disposal	: Not applicable.

### 3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral Rat mg/kg)	LD50 Dermal -Rabbit
Alcohol Ethoxylate	68439-46-3	≥10%	1280	Not available
Cocodiethanol amide	68603-42-9	≥10%	12200	Not available
Orthophosphoric Acid	7664-38-2	≥10%	1530	Not available

### 4. FIRST AID MEASURES

**General information:** *No special measures required.*

**Inhalation:** *Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if some adverse symptoms occur.*

**Eye care:** *Wash immediately with copious amounts of water. Obtain medical attention if symptoms develop.*

**Ingestion:** *Rinse out mouth and then drink one or two glasses of water (or milk) Do not Induce Vomiting.*

### 5 FIRE FIGHTING MEASURES

**Flammability:** *May catch Fire with exposure to direct Flame, Spark or Very high Temperature & acids.*

**Suitable extinguishing media:**

**Small Fires:** *CO<sub>2</sub> & Carbon Monoxide extinguishing powder or water jet.*

**Large Fires:** *Flood the area with water sprays & not the water Jets or alcohol-resistant foam.*

**Special Remark:** *The product cannot catch Fire by itself but can always support a large fire as it liberates a moderate amount of Oxygen.*

**Special Protection:** *Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a Large fire. Use water spray to keep fire-exposed containers cool.*

**Special Protective Equipment:** *Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.*

### 6. ACCIDENTAL RELEASE MEASURES

**Protection of personnel:** *Protection of the skin is necessary. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times. Rubber Boots are compulsory to protect feet & avoid the slippage. Safety Goggles must be worn to avoid Splashing.*

**Environmental precautions:** *Dilute with plenty of water.*

**Method of disposal:** *Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.*

### 7. HANDLING AND STORAGE

**Handling:** *Rfr section # 8 & 9 /Consumer Chemicals and Containers Regulations, 2001 (SOR/2001 269)*

**Information for safe handling:** *Use common rules for working with chemicals & Ref to Sec.7.*

**Information about protection against explosions and Fires:** *Ref. Sec. 5 & 6.*

**Storage in one common storage facility:** *According to local legislation & as per: (SOR/2001-269).*

### 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

**Additional information:** *The lists that were valid during the compilation were used as basis.*

**Personal Protection equipment :**

**General Protective Measures:** *Protection of the skin is necessary. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times. Rubber Boots are compulsory to protect feet & avoid the slippage. Safety Goggles must be worn to avoid Splashing.*

**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Health Measures:** Keep away from foodstuffs, beverages and food. Take off immediately all contaminated clothing. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

**Skin & Hands:** For prolonged contact, protection of the skin may be necessary. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times.

**Breathing equipment:** Personal protection is normally not required.

**Eye protection:** Safety Glasses is recommended while handling undiluted product involving splashing.

**Method of disposal:** Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

**Dispose of the collected material according to the regulations.**

## 9. PHYSICAL & CHEMICAL PROPERTIES

### General information :

<b>Form:</b>	<i>Liquid</i>
<b>Colour:</b>	<i>Colorless</i>
<b>Flash point:</b>	<i>≥ 163°C</i>
<b>Odour:</b>	<i>Floral.</i>
<b>Boiling point:</b>	<i>212°C</i>
<b>Danger of explosion:</b>	<i>Product is not explosive.</i>
<b>Density at 25°C :</b>	<i>1.27</i>
<b>Solubility with Water:</b>	<i>Fully miscible &amp; Diethyl Ether.</i>
<b>Spontaneous combustion:</b>	<i>Product is not self-igniting.</i>
<b>pH-value (1% sol.) :</b>	<i>4.5</i>
<b>Dilution pH-value :</b>	<i>3.2@(1:128)</i>

## 10. STABILITY AND REACTIVITY

**Thermal decomposition / conditions to avoid:** Handle carefully/transport in closed containers that are upright and secured with vented/gas exit Caps. No decomposition if used according to specifications.

**Dangerous reactions:** Reacts with Strong Acids.

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous reactions will not occur. Handle carefully/transport in closed containers that are upright and secured with vented/gas exit Caps. No dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity: LD50 (oral) :** Toxicological classification: LD50 (oral) is estimated to be >600 mg/kg.

**Primary irritant effect: Skin contact:** Irritant for a short while in normal use.

**Eye contact:** Causes Irritation or Itching for 15 minutes.

**Inhalation:** No Known Symptoms.

**Ingestion:** Causes irritation leading to Vomiting.

**Additional toxicological information:** CCCR Regulation- Irritant

## 12. ECOLOGICAL INFORMATION

- **Products of Biodegradation:** Possibly hazardous short term degradation is unlikely & less toxic.

### 13. DISPOSAL CONSIDERATION

**Product:** Xynol De-Scaler

**Recommendation:** *Generation of waste should be avoided. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements via a licensed waste disposal contractor. Cleaning Chemicals may contain Harmful Substances if disposed off carelessly.*

**Recommended cleaning agent:** *Water, if necessary with cleaning agent.*

### 14. TRANSPORT INFORMATION

**Special precautions for user :**

**Transport within user's premises:** *Always transport in closed containers that are upright and secured with vented/gas exit Caps. Ensure that persons transporting the product know what to do in the event of a spillage.*

**Land transport ADR/RID (cross-border):** *No environmental hazard.*

**Maritime transport IMDG :** *No environmental hazard*

**Air transport ADR/RID Class: IMDG Class:** *No environmental hazard*

**Transport / Additional Information:** *Non-dangerous according to above regulations.*

### 15. REGULATORY INFORMATION

**Classification according to CCCR guidelines:** **The product has been classified and labeled in accordance with current CCCR Directives.**

*Further indications on the label: Slightly Oxidizing material.*

*In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Rinse and dry hands after use. For prolonged contact protection for the skin & face shield is compulsory. Wear suitable clothing, Gloves & splash goggles,*

**Land transport ADR/RID (cross-border)**

**Maritime transport IMDG :** *No Environmental hazard.*

**Air transport ADR/RID Class: - IMDG Class: -**

**Transport / Additional Information:** *Non-dangerous according to above regulations.*

### 16. OTHER INFORMATION

This product is manufactured from readily biodegradable surfactants according to Canadian Standards : Complies with ECOCERT Green life regulations & CCCR Chemicals and Containers Regulations, 2001 (SOR/2001-269):

**Department issuing material safety data sheet:**

**Contact : Mr. G. Sagar (HOD-QUALITY)**

**VERTEX CONCEPTS FZE.**

**P.O. Box: - 9072, SHARJAH (U.A.E)**

**Regional Manufacturer:**

**M/s Green Apple Hygiene Care,**

**Survey No. 278, Industrial Estate,**

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*This MSDS summarizes to our best knowledge the health and safety hazard information of the product and general guidance. Each user must, prior to usage, assess and control the risks arising from its use of the product in the workplace, including in conjunction with other products. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract. **User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulation***