



MATERIAL SAFETY DATA SHEET

XYNOL DISH WASH

1. PRODUCT AND COMPANY IDENTIFICATION.	
Product name:	XYNOL DISH WASH
MSDS #:	VERT 0050
Product Code:	VCME#0050
Recommended use:	This MSDS is designed for workplace employees & 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.
	Product is perfect to be used for Manual Dish Washing as well as for Dishwashers machines
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 pictograms	None Allotted as Non Hazardous
Signal word	No signal word.
Hazard statements	Non Hazardous.
<u>Precautionary statements</u>	Keep away from heat, sparks and open flames and store in a cool, well-ventilated place.
General	Complies with current ECOCERT Green life regulation on natural ingredients & ingredients from Natural farming & CCCR Chemicals and Containers Regulations, 2001 (SOR/2001-269)
Prevention	Keep out of reach of children
	SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin or hair with water. CLOTHING: Rinse the clothing and skin with plenty of water before removing clothes. Wash contaminated clothing before reuse. EYES: Rinse cautiously with water for Several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. INHALED: Remove person to fresh air and keep comfortable for breathing.
Response	INGESTED: Rinse mouth. Do NOT induce vomiting.
Storage	: Not applicable.

Disposal

: Not applicable.

3. COMPOSITION/INFORMATION ON MAJOR INGREDIENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral Rat mg/kg)	LD50 Dermal -Rabbit
L-Glutamic Acid	51981-21-6	≥ 2%	344	2848mg/kg
Citric Acid	77-92-9	≥ 10 %	5040	7000mg/kg
Cocamidopropylbetaine	61789-40-0	≥ 5%	4900	2000mg/kg
Sodium Lauryl Ether Sulfate	9004-82-4	≥ 10 %	1288	10000mg/kg
Lauryldimethylamine oxide (LDAO)	1643-20-5	≥ 2%	3600	10000mg/kg

4. FIRST AID MEASURES

General information: No special measures required.

Inhalation: No special measures required.

Eye contact: 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)

5 FIRE FIGHTING MEASURES

Suitable extinguishing media: CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. This mixture is not combustible under normal conditions. However, it will break down under fire conditions and the hydrocarbon component will burn. In a large fire, heating may produce toxic fumes containing carbon monoxide, carbon dioxide, sulfur dioxide and nitrogen oxides.

Protective equipment: No special measures required.

6.ACCIDENTAL RELEASE MEASURES

Protection of personnel : Not required

Environmental precautions: Dilute with plenty of water.

Method of disposal: Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Dispose of the collected material according to the regulation

Safety glasses are not normally required. However, their use is recommended in those cases where handling the undiluted product involves a risk of splashing.

7.HANDLING AND STORAGE

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

Information for safe handling: Use common rules for working with chemicals.

Information about protection against explosions and fires: No special measures required.

Storage : Store in original containers in a cool (below 30°C), dry, well-ventilated area and out of direct sunlight. Store away from foodstuffs, foodstuff containers and incompatible materials such as oxidising agents

Requirements for storage rooms and containers: According to local legislation.

Storage in one common storage facility: According to local legislation. Ref. storage conditions: (SOR/2001-269).

8.EXPOSURE CONTROLS & PERSONAL PROTECTION

Additional information about design of technical systems.

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

Personal Protection equipment: No PPE required.

General protective and hygienic measures: No VOC so no PPE required.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing. Wash hands during breaks and at the end of work.

Avoid contact with the eyes and skin. Rinse and dry hands after use.

Skin & Hands: *For prolonged contact, protection of the skin may be necessary.*

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

Eye protection: *Safety Glasses to handle undiluted bulk product involving the risk of 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 :

Form: *Viscous Liquid*

Colour: *Clear Green*

Flash point: *Not applicable*

Odour: *Fresh Lemon*

Change in condition Melting point/Melting range: *100 C Not determined*

Boiling point/Boiling range: *Not determined*

Danger of explosion: *Product is not Flammable.*

Density at 20°C - *1.082 g/cm*

Viscosity : *1000cps*

Solubility in / Miscibility with Water: *Fully miscible*

Spontaneous combustion: *Product is not self-igniting.*

pH-value (5% sol.) : *8.7*

10. STABILITY AND REACTIVITY

Thermal decomposition: *No decomposition if used according to specifications.*

Conditions to avoid: *Avoid excessive Heat or Direct sunlight.*

Dangerous reactions: *Reacts with acids. Thermal degradation arising out of Large Fire may produce carbon monoxide, carbon dioxide, sulfur dioxide and nitrogen oxides*

Hazardous decomposition products: *No dangerous decomposition products known.*

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD50 (oral) : *Based on the toxicological classification the LD50 (oral) is estimated to be >2000 mg/kg.*

Primary irritant effect:

Skin contact: *Unlikely to be irritant in normal use.*

Eye contact: *Causes irritation.*

Inhalation: *Not normally a hazard due to non-volatile nature of product.*

Ingestion: *Causes irritation if directly introduced to the mouth, throat and stomach. Symptoms may include abdominal pain, nausea, vomiting and diarrhea.*

Additional toxicological information: *CCCR Regulation- Irritant*

12. ECOLOGICAL INFORMATION

- *This product should never cause any kind of adverse effects to the environment. Avoid contaminating water with unwanted spillage.*

13. DISPOSAL CONSIDERATION

Recommendation: *Dispose of observing official regulations.*

Cleaning Chemicals may contain Harmful Substances if disposed off carelessly.

Recommendation: *Dispose of observing official regulations.*
Recommended cleaning agent : *Water, if necessary with cleaning agent.*

14. TRANSPORT INFORMATION

Not classified as Dangerous according to Canadian Code for Transportation of Dangerous Goods by Road/Rail.
Land transport ADR/RID (cross-border): *None as it's Non-dangerous according to above regulations*
Maritime transport IMDG : *None as it's Non-dangerous according to above regulations*
Air transport ADR/RID Class/IMDG Class: *- None as it's Non-dangerous according to above regulations*
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 :

*Irritating to eye. 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 may be necessary*

Land transport ADR/RID (cross-border)

Maritime transport IMDG :

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.

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Text of risk phrases associated with ingredients listed in section 3 :

*Harmful if swallowed * Risk of serious damage to eyes*

*May cause long-term adverse effects in the aquatic environment *36 Irritating to eyes*

*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***