



MATERIAL SAFETY DATA SHEET

XYNOL FLORA AIR FRESHENER

1. PRODUCT AND COMPANY IDENTIFICATION.

Product name:	XYNOL FLORA AIR FRESHENER
MSDS #:	VERT 00044
Product Code:	VCME# 0044
Recommended use:	This MSDS is designed for workplaces & general home application for use of the emergency personnel and situations with greater potential for bulk & prolonged exposure, in accordance with Safety and Health Administration.
	Product is perfect to be used in Home, bathrooms, cars and professional workplaces.
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

Potential Acute Health Effects:

Very hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: *Classified A3 (Proven for animal.) by ACGIH. Classified 2 (Reasonably anticipated.) by NTP. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.*

The substance is toxic to kidneys, lungs, liver, and mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

3. COMPOSITION/INFORMATION ON MAJOR INGREDIENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral Rat mg/kg)	LD50 Dermal – Rabbit
{1,4-} Dichlorobenzene	106-46-7	100 %	500	6000mg/kg

4. FIRST AID MEASURES

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Ingestion: Rinse mouth thoroughly. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

5 FIRE FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 640°C (775.4°F)

Flash Points: *CLOSED CUP:* 65.56°C (150°F).

Flammable Limits: *LOWER:* 2.5% . *UPPER:* 16% .

Extinguishing media: Foam. Carbon dioxide (CO₂). Dry chemicals, Sand, Dolomite etc. or halogenated compounds.

Fire Hazards in Presence of Oxidizing materials.

Explosion Hazards in Presence of Mechanical impact:

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

6. ACCIDENTAL RELEASE MEASURES

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS with authorities

Personal precautions, protective equipment: Wear protective clothing.

Environmental precautions: Environmentally safe.

Methods for containment and cleaning up: Absorb with inert, damp, non-combustible material, and then flush area with water.

7. HANDLING AND STORAGE

Precautions: Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately. Avoid contact with skin and eyes

Storage: Keep container dry. Keep in a cool place. Ground all equipment containing material. Carcinogenic, teratogenic or mutagenic materials should be stored in a separate locked room. Take special protection from Spark or direct flame or Heat .

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection in Case of a Large Spill:

Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: TWA: 75 CEIL: 110 (ppm) TWA: 450 CEIL: 675 (mg/m³) Consult local authorities for acceptable exposure limits

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Aerosol.

Color: White / off-white.

Odor: Perfume.

Solubility Soluble in acetone, ether, methanol. Slightly sol.in water.

Melting point (°C) : < 55°C.

Boiling Point (°C) : < 174°C

Relative density : 1.46

Bulk Density Not determined.

Vapor density (air=1) : 5.08

Evaporation rate : Not determined

Viscosity: Not determined.

Solubility Value (G/100G H₂O@20°C): Not Determined

Decomposition temperature (°C): Not determined.

Flash point (°C) : 65.56°C

Auto Ignition Temperature (°C): 640°C

10. STABILITY AND REACTIVITY

Chemical stability: The product is Stable. Avoid Heat, Sparks,Flames.

Instability Temperature: Not available.

Corrosivity: Non-corrosive.

Special Remarks on Reactivity: Not available.

Polymerization: No.

Conditions to avoid: Avoid excessive heat for prolonged periods of time.

Incompatible material: Flammable/combustible material.

Hazardous decomposition products: No such anticipated products are anyway associated with it.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD50 (oral) :Based on the toxicological classification the LD50 (oral) is estimated to be >500 mg/kg & 6000mg/kg(Dermal-Rabbit)

Chronic Effects on Humans:

Carcinogenic Effects : Classified A3 (Proven for animal.) The substance is toxic to kidneys, lungs, liver,

and mucous membranes.

Primary irritant effect:

Skin contact: *None Known but repeated or prolonged skin contact may lead to irritation.*

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

Eye contact: *Causes irritation. May cause mild irritation to eyes, including redness and stinging.*

Inhalation : *Non Volatile so No Hazard.*

Ingestion: *Causes irritation.*

Additional toxicological information:(CCCR Regulation)– An Irritant

12. ECOLOGICAL INFORMATION

Ecotoxicity: No toxicity for Aquatic life.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: The product is biodegradable.

Results of PBT and vPvB assessment: This product does not contain any PBT or vPvB substances.

13. DISPOSAL CONSIDERATION

Product: XYNOL DEO STICK

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

General Given pack size product is shipped as a limited quantity

DOT Classification: CLASS 9

Environmentally hazardous substance, solid, n.o.s. (p-Dichlorobenzene)

Special Provisions for Transport: *Marine Pollutant*

Transport hazard Class

ADR/RID/ADN Class 9

ADR/RID/ADN Class Class 9 : Flammable gases.

Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant No.

15. REGULATORY INFORMATION

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

CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).

CLASS D-2A: Material causing other toxic effects (VERY TOXIC)

Irritating to eyes

Further Safety Indications on the label :

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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 Greenlife regulations & CCCR Chemicals and Containers Regulations, 2001 (SOR/2001-269):

Department issuing material safety data sheet:

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

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

Harmful if swallowed

May cause long-term adverse effects in the aquatic environment

*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***