

Name of the Product Orchid Maintenance Microelements (100X)

Code No. TS2081

Section 1 : Chemical Identification

Code No. : **TS2081**

Name of the Product : Orchid Maintenance Microelements (100X)

Produced by : Central Drug House Pvt. Ltd.

Address : 7/28 Vardaan House, Darya Ganj, New Delhi (INDIA)

Tel. No. : 00 91 11 49404040

Section 2 Hazards Identification

2.1 Classification of the substance or mixture

CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]

Specific target organ toxicity, repeated exposure, (Category 2), H373 Hazardous to the aquatic environment, long term hazard, (Category 2), H411 For the full text of the H-Statements mentioned in this Section, See Section 16

2.2 Label elements

Labeling according to Regulation (EC) No.1272/2008



Pictogram

Signal word Warning

Hazard Statement(s)

H373 May cause damage to organs through prolonged or repeated exposure

H411 Toxic to aquatic life with long lasting effects

Precautionary Statement(s)

P202 Do not handle until all safety precautions have been read and understood.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P307 + P311 IF exposed: call a POISON CENTER or doctor/physician.
P391 Collect spillage. Hazardous to the aquatic environment

2.3 Other Hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3 Composition/Information On Ingredients

Componen	nt	Classification	Concentration
Manganese sulp	Manganese sulphate		
CAS No. : EC No. : Index-No :	10034-96-5 232-089-9 025-003-00-4	As Per EC Regulation 1272/2008 STOT RE 2; Aquatic Chronic 2 H373; H411	>=9 - <=11%

For the full text of the H-Statements and classification mentioned in this Section, see Section 16

Section 4 First - Aid Measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled



	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not		
	breathing, give artificial respiration. Consult a physician.		
	In case of skin contact		
	Wash off with soap and plenty of water. Consult a physician.		
	In case of eye contact		
	Rinse immediately with plenty of water for at least 15 minutes. Consult a physician. If swallowed		
	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.		
	4.2 Most important symptoms and effects, both acute and delayed		
	The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.		
	4.3 Indication of immediate medical attention and special treatment needed		
	Treat symptomatically.		
Section 5	Fire Fighting Measures		
	5.1 Extinguishing media		
	Suitable extinguishing media		
	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.		
	Unsuitable extinguishing media		
	No data available.		
	5.2 Special hazards arising from the substance or mixture		
	Magnesium oxides, Sulphur oxides, Sodium oxides, Iron oxides, Calcium Oxide, Cobalt		
	oxides, Copperoxides, Manganese oxides,, Molybdenum oxides, Oxides of Phosphorus, Potassium oxides, Zinc oxides		
	5.3 Precautions for fire-fighters		
	Cool closed containers exposed to fire with water spray.		
	5.4 Further information		
	Wear self-contained breathing apparatus for firefighting if necessary.		
Section 6	Accidental Release Measures		
	6.1 Personal precautions, protective equipment and emergency procedures		
	Use personnel protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.		
	6.2 Environmental precautions		
	Prevent further leakage or spillage if safe to do so. DO not let product enter drains. Discharge into environmental Must be avoided		
	6.3 Methods and materials for containment and cleaning up		
	Keep in suitable, closed containers for disposal. Sweep up and shovel. Contain spillage, and then collect		
	with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal		
	according to local regulations (see section 13). Keep in suitable, closed containers for disposal		
	6.4 Reference to other sections For disposal see Section 13.		
	Tot disposurace section 15.		
Section 7	Handling and Storage		
	7.1 Precautions for safe handling		
	Avoid formation of dust and aerosols. Wear protective gloves and eye/face protection. Use only in well ventilated		
	areas. Keep away from heat, sparks and open flame.		
	7.2 Conditions for safe storage, including any incompatibilities		
	Store in cool/well-ventilated place		
	Recommended Storage Temperature: 2 to 8° C		



	7.3 Specific end uses			
	•	on 1.2 no other specific uses are stipulated.		
Section 8	Exposure Controls / Personal Protection	Exposure Controls / Personal Protection		
	8.1 Control parameters 8.2 Exposure controls			
	F	la.		
	_	ndustrial hygiene and safety practice. Wash hands before breaks, roducts and at the end of workday.		
	Safety glasses with side-shields o	onforming to EN 166 Use equipment for eye protection tested and ernment standards such as NIOSH (US) or EN 166 (EU). Have eye-washing eye contact can occur.		
	-	be inspected prior to use. Use proper glove removal technique (without		
	_	o avoid skin contact with this product. Dispose contaminated gloves after		
		e laws and good laboratory practices. Wash and dry hands. The selected		
		the specifications of EU Directive 89/686/EEC and the standard EN 374		
	derived from it.	the specifications of 20 Bit courte os, 600, 220 and the standard 211 or 1		
		chemicals. The type of protective equipment must be selected nd amount of the dangerous substance at the specific workplace.		
		r-purifying respirators are appropriate use a full-face particle respirator		
	type N100 (US) or type P3 (EN 14	13) respirator cartridges as a backup to engineering controls. Use		
		ed and approved under appropriate government standards such as NIOSH		
	(US) or CEN (EU).			
	environment must be avoided.	e if safe to do so. Do not let product enter drains. Discharge into the		
Section 9	Physical and Chemical Properties			
	9.1 Information on basic physical and cl	hemical properties		
	Appearance	Light yellow to yellow powder		
	Odour	No data available		
	Odour Threshold	No data available		
	рН	1.9-2.9		
	Melting/freezing point	No data available		
	Initial boiling point and boiling range	No data available		
	Flash point	No data available		
	Upper/lower flammability or explosive limit	ts No data available		
	Evaporation rate	No data available		
	Flammability (Solid, gas)	No data available		
	Vapour pressure	No data available		
	Relative density	No data available		
	Water solubility	Soluble in water		
	Autoignition Temperature	No data available		
	Decomposition Temperature	No data available		
	Viscosity	No data available		



	Exp	plosive properties	No data available
	Ox	idizing properties	No data available
	Va	pour density	No data available
	Th	ermal decomposition	No data available
	9.2	Other safety information	
		No data available	
Section 10	Stabili	ty and Reactivity	
	10.1	Reactivity	
		No data available	
	10.2	Chemical stability	
		Stable under recommended storage conditio	ns.
	10.3	Possibility of hazardous reactions	
		No data available	
	10.4	Conditions to avoid	
		No data available	
	10.5	Incompatible materials	
1		No data available	
	10.6	Hazardous decomposition products	
			nder fire conditions - Nitrogen oxides(NOx), Sulphur oxides, Oxides
		of phosphorus,. Potassium oxides, Magnesiu	m oxide, Cobalt/cobalt oxides, Calcium oxide, Copper oxides
	<u> </u>		
Section 11		ogical Information	
	11.1	Information on toxicological effects	
		Acute toxicity	
		No data available	
		Remarks : No data available	
		No data available	
		Skin corrosion/irritation	
		No data available	
		Serious eye damage/eye irritation	
		No data available	
		Respiratory or skin sensitisation	
		No data available	
		Germ cell mutagenicity	
		No data available	
		Carcinogenicity	
			esent at levels greater than or equal to 0.1% is identified as
		probable, possible or confirmed human	carcinogen by IARC.
		Reproductive toxicity	
		No data available	
		Specific target organ toxicity - repeate	d exposure
		No data available	
		Aspiration hazard	
		No data available	
		Additional Information	
		RTECS : Not Applicable	
Section 12	Ecologi	ical Information	
	12.1	Toxicity	
		No data available	
12.2 Persistence and degradability			
		No data available	
	ı		



	12.3 Bioaccumulative potential
	No data available
	12.4 Mobility in soil
	No data available
	12.5 PBT and vPvB assessment
	This preparation contains no substance considered to be persistent, bioaccumulating or toxic (PBT)or very
	persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
	12.6 Other adverse effects
	No data available
	No data available
Section 13	Disposal Considerations
	13.1 Waste treatments methods
	Product
	Dispose of as unused product
	13.2 Contaminated packaging
	Burn in a chemical incinerator equipped with an afterburner and srcubber but exert extra care in igniting as this material is highly flammable. Contact a licenced professional waste disposal service todispose off
	this material.
	tilis illaterial.
Section 14	Transport Information
	14.1 UN-No
	ADNR: ADR: IATA_C: IATA_P: IMDG: RID:
	14.2 UN proper shipping name
	ADNR : Not dangerous goods
	ADR : Not dangerous goods
	IATA_C : Not dangerous goods
	IATA_P : Not dangerous goods
	IMDG : Not dangerous goods
	RID : Not dangerous goods
	44.2 Torroweth conductor (co)
	14.3 Transport hazard class (es)
	ADNR : - ADR : - IATA_C : - IATA_P : - IMDG : - RID : -
	AAA Badaadaa waxaa
	14.4 Packaging group
	ADNR: ADR: IATA_C: IATA_P: IMDG: RID:
	14.5 Environmental hazards
	ADR: No IMDG: Marine Pollutant: No IATA_C: No
	ABIL : No IMBO : Mainer officiality: No IMM_o : No
	14.6 Special precautions for use
	No data available
Section 15	Regulatory Information
	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
	15.1 Safety health and environment regulations/legislation specific for the substance or mixture
	No data available
	15.2 Chemical Safety Assessment
	For this product a chemical safety assessment was not carried out.



Section 16	Other Information		
	H373	May cause damage to organs through prolonged or repeated exposure	
	H411	Toxic to aquatic life with long lasting effects	
	Aquatic Chronic 2	Hazardous to the aquatic environment, long term hazard, Category 2	
	STOT RE 2	Specific target organ toxicity, repeated exposure, Category 2	
	Further Information		
	warranty is made with respe	n this data sheet represents the best information currently available to us. However, no ect to its completeness and we assume no liability resulting from its use. The information is gation to investigate and determine the suitability of the information for their particular	