

Na	me of the Product	Nitsch Micr	roelements (100X)		
Co	de No.	TS2077			
See	ction 1 : Chemical Identification	I			
	Code No.	: TS2077			
	Name of the Product	: Nitsch Microelements (100X)			
Produced by Address			: Central Drug House Pvt. Ltd. : 7/28 Vardaan House, Darya Ganj, New Delhi (INDIA)		
	Tel. No.	: 00 91 11 494	404040		
Section 2	Hazards Identification				
	2.1 Classification of the substance or mixture				
	-		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				
			mentioned in this Section, See Section 16		
	2.2 Label element				
		-	EC) No.1272/2008		
		$\wedge \wedge$			
		(±)	>		
	Pictogram				
	Signal word	Warning			
	Hazard Statem	ent(s)			
	H373	May cause dar	mage to organs through prolonged or repeated e	exposure	
	H411 Toxic to aquatic life with long lasting effects				
	Precautionary Statement(s)				
	P273 Avoid release to the environment.				
	P280 Wear protective gloves/protective clothing/eye protection/face protection.			e protection.	
	P304 + P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.				
	P307 + P311 IF exposed: call a POISON CENTER or doctor/physician.				
	P391		e. Hazardous to the aquatic environment		
	2.3 Other Hazards				
	2.5 Other final dis 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 C)n Ingredients			
	3.1 Mixture				
	Component		Classification	Concentration	
	Manganese sulphate				
	CAS No. : 10	034-96-5	As Per EC Regulation 1272/2008	>=15 - <=20%	
	EC No. : 2	32-089-9	STOT RE 2; Aquatic Chronic 2 H373; H411		
	Index-No : 025-	003-00-4			
	Component		Classification	Concentration	
	Boric acid				
	CAS No. :	10043-35-3	As Per EC Regulation 1272/2008	>=7 - <=10%	
	EC No. :	233-139-2	Repr.Tox. 1A, 1B H360		
	Index-No :	005-007-00-2			



		Component	Classification	Concentration	
	Zinc sulpha	te, heptahydrate		1	
	CAS No. : EC No. : Index-No :	7446-20-0 231-793-3 030-006-00-9	As Per EC Regulation 1272/2008 Acute Tox.oral 4; Eye Dam. 1; Aquatic Chronic 1 H302; H318; H410	>=7 - <=10%	
	For the fu	Il text of the H-Statements and cl	assification mentioned in this Section, see Sectio	n 16	
ection 4	First - Aid Measures				
	4.1	Description of first aid measure	25		
	General advice				
			afety data sheet to the doctor in attendance.		
	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. <i>If swallowed</i> 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.				
ection 5	Fire Fighting Measures				
	5.1	Extinguishing media			
		Suitable extinguishing media	ant foam, dry chemical or carbon dioxide. a		
	5.2		e substance or mixture des, Sodium oxides, Iron oxides, Calcium Oxide, C ese oxides,, Molybdenum oxides, Oxides of Phosp		
	5.3	-	to fire with water spray		
	5.3	-	to fire with water spray.		



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.		
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		
	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.		
Section 8	Exposure Controls / Personal Protection		
	8.1 Control parameters8.2 Exposure controls		
	Appropriate engineering controls		
	Handle in accordance to general industrial hygiene and safety practice. Wash hands before breaks, immediately after handling the products and at the end of workday.		
	Personal protective equipment Eye/face protection		
	Safety glasses with side-shields conforming to EN 166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Have eye-washing facilities readily available where eye contact can occur.		
	Skin protection		
	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without		
	touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after		
	use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected		
	protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374		
	derived from it.		
	Body protection		
	Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection		
	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator		
	type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. Use		
	respirators and components tested and approved under appropriate government standards such as NIOS		
	(US) or CEN (EU).		



	environment must be avoided.	do so. Do not let product enter drains. Discharge into the			
Section 9	Physical and Chemical Properties				
	9.1 Information on basic physical and chemical properties				
	Appearance	White to off-white, homogenous powder			
	Odour	No data available			
	Odour Threshold	No data available			
	рН	2.7-3.7			
	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 limits	No data available			
	Evaporation rate	No data available			
	Flammability (Solid, gas)	No data available			
	Vapour pressure	No data available			
		No data available			
	Relative density Water solubility	Soluble in water			
	,	No data available			
	Autoignition Temperature				
	Decomposition Temperature	No data available			
	Viscosity	No data available No data available			
	Explosive properties				
	Oxidizing properties	No data available			
	Vapour density	No data available			
	Thermal decomposition	No data available			
	9.2 Other safety information				
	No data available Stability and Reactivity				
Section 10					
	10.1 Reactivity				
	No data available				
	10.2 Chemical stability				
	Stable under recommended storage conditions.				
	10.3 Possibility of hazardous reactions No data available				
	No data available	10.4 Conditions to avoid			
	No data available 10.4 Conditions to avoid				
	10.4 Conditions to avoidNo data available10.5 Incompatible materials				
	10.4 Conditions to avoid No data available				



Section 11	Toxicological 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
1	No data available
1	Respiratory or skin sensitisation
1	No data available
	Germ cell mutagenicity
	No data available
	Carcinogenicity
	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as
	probable, possible or confirmed human carcinogen by IARC.
1	Reproductive toxicity
	No data available
	Specific target organ toxicity - repeated exposure
	No data available
1	Aspiration hazard
	No data available
	Additional Information RTECS : Not Applicable
l	KTECS. NOT Applicable
Section 12	Ecological Information
	12.1 Toxicity
	No data available
	12.2 Persistence and degradability
	No data available
	12.3 Bioaccumulative potential
	No data available
	12.4 Mobility in soil
	No data available
1	
	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.
l .	12.6 Other adverse effects
	No data available
Section 13	Disposal Considerations
500000120	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
l	as this material is highly flammable. Contact a licenced professional waste disposal service todispose off this material.



Section 14	Transport Information			
	14.1 UN-No	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 g RID : Not dangerous g			
	14.3 Transport hazar	d class(es)		
	ADNR : - ADR : - IATA_C : - IATA_P : - IMDG : - RID : - 14.4 Packaging group			
	ADNR : ADF	R: IATA_C: IATA_P: IMDG: RID:		
	14.5 Environmental hazards			
	ADR : No IMDG	: Marine Pollutant : No IATA_C : 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 chei	nical safety assessment was not carried out.		
Section 16	Other Information			
	H302	Harmful if swallowed		
	H318	Causes serious eye damage		
	H360	May damage fertility or the unborn child		
	H373	May cause damage to organs through prolonged or repeated		
		exposure		
	H410	Very toxic to aquatic life with long lasting effects		
	H411	Toxic to aquatic life with long lasting effects		
	Acute Tox.oral 4	Acute toxicity, oral, Category 4		
	Aquatic Chronic 1	Hazardous to the aquatic environment, long term hazard, Category 1		
	Aquatic Chronic 2	Hazardous to the aquatic environment, long term hazard, Category 2		
	Eye Dam. 1	Serious eye damage or eye irritation, Category 1		
	Repr.Tox. 1A, 1B	Reproductive toxicity, Category 1A, 1B		
	STOT RE 2 Specific target organ toxicity, repeated exposure, Category 2			
	Further Information			
	The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.			