






Material Safety Data Sheet

<p>Code No. Section 1 :</p>	<table><tr><td>Name of the Product</td><td>CHU (N_e) Plant Salt Mixture TS2103</td></tr><tr><td>Chemical Identification</td><td></td></tr><tr><td>Code No.</td><td>: TS2103</td></tr><tr><td>Name of the Product</td><td>: CHU (N_e) Plant Salt Mixture</td></tr><tr><td>REACH Registration Number</td><td>: Reach registration number is not available for this mixture. According to REACH regulation EC 1907/2006 this product is exempted from registration. The annual tonnage does not require a REACH registration or it is envisaged for a later registration deadline</td></tr><tr><td>Produced</td><td>: Central Drug House Pvt. Ltd.</td></tr><tr><td>Address</td><td>: 7/28 Vardaan House, Darya Ganj, New Delhi (INDIA)</td></tr><tr><td>Tel. No.</td><td>: 00 91 11 49404040</td></tr></table>	Name of the Product	CHU (N_e) Plant Salt Mixture TS2103	Chemical Identification		Code No.	: TS2103	Name of the Product	: CHU (N _e) Plant Salt Mixture	REACH Registration Number	: Reach registration number is not available for this mixture. According to REACH regulation EC 1907/2006 this product is exempted from registration. The annual tonnage does not require a REACH registration or it is envisaged for a later registration deadline	Produced	: Central Drug House Pvt. Ltd.	Address	: 7/28 Vardaan House, Darya Ganj, New Delhi (INDIA)	Tel. No.	: 00 91 11 49404040
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Section 3	Composition/Information On Ingredients											
	3.2	Mixture										
	<table><tr><th>Components</th><th>Classifications</th><th>Concentrations</th></tr><tr><td>Potassium Nitrate</td><td></td><td></td></tr><tr><td>CAS No.:7757-79-1 EC No. :231-818-8</td><td>As Per EC Regulation 1272/2008 Ox. Sol. 3 H272</td><td>>=65 - <=75%</td></tr></table>			Components	Classifications	Concentrations	Potassium Nitrate			CAS No.:7757-79-1 EC No. :231-818-8	As Per EC Regulation 1272/2008 Ox. Sol. 3 H272	>=65 - <=75%
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Section 4	First - Aid Measures <p>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. If skin irritation occurs, get medical advice/attention. In case of eye contact Rinse out with plenty of water with the eyelid held wide open. If eye irritation persists, get medical advice/attention. If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician</p> <p>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.</p> <p>4.3 Indication of immediate medical attention and special treatment needed Treat symptomatically</p>
Section 5	Fire Fighting Measures <p>5.1 Extinguishing media Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Unsuitable extinguishing media</p> <p>5.2 Special hazards arising from the substance or mixture Magnesium oxides, Sulphur oxides, Sodium oxides, Iron oxides, Calcium Oxide, Cobalt oxides, Copper oxides, Manganese oxides, Molybdenum oxides, Oxides of Phosphorus, Potassium oxides, Zinc oxides</p> <p>5.3 Precautions for fire-fighters Cool closed containers exposed to fire with water spray.</p> <p>5.4 Further information Wear self-contained breathing apparatus for firefighting if necessary.</p>
Section 6	Accidental Release Measures <p>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.</p> <p>6.2 Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into environment must be avoided.</p>



	<p>6.3 Methods and materials for containment and cleaning up</p> <p>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.</p> <p>6.4 Reference to other sections</p> <p>For disposal see Section 13.</p>
Section 7	Handling and Storage
	<p>7.1 Precautions for safe handling</p> <p>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 .</p> <p>7.2 Conditions for safe storage, including any incompatibilities</p> <p>Store in cool/well-ventilated place. Storage class (TRGS 510): Oxidizing Solids</p> <p>Recommended Storage Temperature : On receipt store between 2 to 8 ° C</p> <p>7.3 Specific end uses</p> <p>Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.</p>
Section 8	Exposure Controls / Personal Protection
	<p>8.1 Control parameters</p> <p>Components with workplace control parameters</p> <p>8.2 Exposure controls</p> <p>Appropriate engineering controls</p> <p>Handle in accordance to general industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the products.</p> <p>Personal protective equipment</p> <p>Hygiene measures</p> <p>Avoid contact with skin, eyes and clothing. Immediately change contaminated clothing.</p> <p>Eye/face protection</p> <p>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).</p> <p>Skin protection</p> <p>The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. 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.</p> <p>Body protection</p> <p>Impervious clothing The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.</p> <p>Respiratory protection</p> <p>For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p> <p>Environment exposure controls</p> <p>Do not let product enter drains.</p>



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Section 9	Physical and Chemical Properties																																										
	<p>9.1 Information on basic physical and chemical properties</p> <table><tr><td>Appearance</td><td>White to off white, homogeneous powder</td></tr><tr><td>Odour</td><td>No data available</td></tr><tr><td>Odour Threshold</td><td>No data available</td></tr><tr><td>pH</td><td>3.5 - 4.5</td></tr><tr><td>Melting/freezing point</td><td>No data available</td></tr><tr><td>Initial boiling point and boiling range</td><td>No data available</td></tr><tr><td>Flash point</td><td>No data available</td></tr><tr><td>Upper/lower flammability or explosive limits</td><td>No data available</td></tr><tr><td>Evaporation rate</td><td>No data available</td></tr><tr><td>Flammability (Solid, gas)</td><td>No data available</td></tr><tr><td>Vapour pressure</td><td>No data available</td></tr><tr><td>Relative density</td><td>No data available</td></tr><tr><td>Partition coefficient: n-octanol/water</td><td>No data available</td></tr><tr><td>Autoignition Temperature</td><td>No data available</td></tr><tr><td>Decomposition Temperature</td><td>No data available</td></tr><tr><td>Viscosity</td><td>No data available</td></tr><tr><td>Explosive properties</td><td>No data available</td></tr><tr><td>Oxidizing properties</td><td>No data available</td></tr><tr><td>Vapour density</td><td>No data available</td></tr><tr><td>Thermal decomposition</td><td>No data available</td></tr><tr><td>Water solubility</td><td>Soluble in water</td></tr></table> <p>9.2 Other safety information No data available</p>	Appearance	White to off white, homogeneous powder	Odour	No data available	Odour Threshold	No data available	pH	3.5 - 4.5	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	Relative density	No data available	Partition coefficient: n-octanol/water	No data available	Autoignition Temperature	No data available	Decomposition Temperature	No data available	Viscosity	No data available	Explosive properties	No data available	Oxidizing properties	No data available	Vapour density	No data available	Thermal decomposition	No data available	Water solubility	Soluble in water
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Section 10	Stability and Reactivity																																										
	<p>10.1 Reactivity No data available</p> <p>10.2 Chemical stability Stable under recommended storage conditions.</p> <p>10.3 Possibility of hazardous reactions No data available</p> <p>10.4 Conditions to avoid No data available</p> <p>10.5 Incompatible materials No data available</p> <p>10.6 Hazardous decomposition products Hazardous decomposition products formed under fire conditions - Nitrogen oxides(NO_x), Sulphur oxides, Oxides of phosphorus, Potassium oxides, Magnesium oxide, Cobalt/cobalt oxides, Calcium oxide, Copper oxides</p>																																										



Section 11	Toxicological Information
	<p>11.1 Information on toxicological effects</p> <p>Acute toxicity No data available Remarks: No data available</p> <p>Skin corrosion/irritation No data available</p> <p>Serious eye damage/eye irritation No data available</p> <p>Respiratory or skin sensitisation No data available</p> <p>Germ cell mutagenicity No data available</p> <p>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.</p> <p>Reproductive toxicity No data available</p> <p>Specific target organ toxicity- single exposure No data available</p> <p>Specific target organ toxicity - repeated exposure No data available</p> <p>Aspiration hazard No data available</p> <p>Additional Information RTECS: No data available</p>
Section 12	Ecological Information
	<p>12.1 Toxicity No data available</p> <p>12.2 Persistence and degradability No data available</p> <p>12.3 Bioaccumulative potential No data available</p> <p>12.4 Mobility in soil No data available</p> <p>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.</p> <p>12.6 Other adverse effects No data available</p>
Section 13	Disposal Considerations
	<p>13.1 Waste treatments methods Product Dispose of as unused product..</p> <p>13.2 Contaminated packaging Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Contact a licenced professional waste disposal service to dispose off this material.</p>



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Section 14	Transport Information
	<p>14.1 UN-No ADNR :1486 ADR :1486 IATA_C :1486 IATA_P :1486 IMDG :1486 RID :1486</p> <p>14.2 UN proper shipping name ADNR : Potassium Nitrate ADR : Potassium Nitrate IATA_C : Potassium Nitrate IATA_P : Potassium Nitrate IMDG : Potassium Nitrate RID : Potassium Nitrate</p> <p>14.3 Transport hazard class(es) ADNR : - 5.1 ADR : -5.1 IATA_C : -5.1 IATA_P : -5.1 IMDG : -5.1 RID : 5.1</p> <p>14.4 Packaging group ADNR : -III ADR : -III IATA_C : -III IATA_P : -III IMDG : -III RID : -III</p> <p>14.5 Environmental hazards ADR : No IMDG : Marine Pollutant: No IATA_C : No</p> <p>14.6 Special precautions for use No data available</p>
Section 15	Regulatory Information
	<p>This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.</p> <p>15.1 Safety health and environment regulations/legislation specific for the substance or mixture No data available</p> <p>15.2 Chemical Safety Assessment For this product a chemical safety assessment was not carried out.</p>
Section 16	Other Information
	<p>H272: May intensify fire; oxidizer H302: Harmful if swallowed H315: Causes skin irritation H318: Causes serious eye damage H319: Causes serious eye irritation 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 Eye Dam. 1: Serious eye damage or eye irritation, Category A Eye Irrit. 2A: Serious eye damage or eye irritation, Category 2A Ox. Sol. 3: Oxidising solids, Category 3 Repr.Tox. 1A, 1B: Reproductive toxicity, Category 1A, 1B Skin Irrit. 2: Skin corrosion or irritation, Category 2 STOT RE 2: Specific target organ toxicity, repeated exposure, Category 2</p>



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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.