Name of the Product			**Gruft Mycobacterial Supplement**
Code No.			**MS 2053**
Section 1 :	**Chemical Identification**		
	Code No.	:	MS 2053
	Name of the Product	:	Gruft Mycobacterial Supplement
	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]

Sensitisation, Skin, (Category 1), H317
Sensitisation, respiratory, (Category 1), H334

2.2 Label elements

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

Pictogram
Signal word Danger

Hazard Statement(s)

H317 : May cause an allergic skin reaction
H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statement(s)

P261: Avoid breathing dust/fume/gas/mist/vapours/spray..
P280: Wear protective gloves/protective clothing/eye protection/face protection
P342+P311: IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician

2.3 Other Hazards

None

Section 3 Composition/Information On Ingredients

3.1 Mixture

Component	Classification	Concentration
Penicillin G sodium salt		
CAS No. :69-57-8 EC No. : 200-710-2	**As Per EC Regulation 1272/2008** Skin Sens. 1; Resp. Sens. 1H317; H334	>=20 - <=30%

Component	Classification	Concentration
Nalidixic acid, sodium salt		
CAS No. :3374-05-8 EC No. :222-159-7	**As Per EC Regulation 1272/2008** Acute Tox.oral 4; Skin Sens. 1; Resp. Sens. 1 H317; H334	>=30 - <=40%

Refer Section 16 for complete statement of H codes and its classification

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*** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult aphysician. ***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 aphysician. **4.2 Most important symptoms and effects, both acute and delayed** No data available. **4.3 Indication of immediate medical attention and special treatment needed** No data available
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** Nature of decomposition products not known. **5.3 Precautions for fire-fighters** Wear self contained breathing apparatus for fire fighting if necessary **5.4 Further information** No data available
Section 6	**Accidental Release Measures**
	6.1 Personal precautions, protective equipment and emergency procedures Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. **6.2 Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. **6.3 Methods and materials for containment and cleaning up** Soak up with inert absorbent material. 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 contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection. **7.2 Conditions for safe storage, including any incompatibilities** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. ***Recommended Storage Temperature :*** On receipt store between 2-8°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 parameters Components with workplace control parameters **8.2 Exposure controls** ***Appropriate engineering controls*** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products. ***Personal protective equipment*** ***Hygiene measure*** Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product. ***Eye/face protection*** Tightly fitting saftey goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). ***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 respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). ***Environment exposure controls*** Do not empty into drains.
Section 9	**Physical and Chemical Properties**
	9.1 Information on basic physical and chemical properties

Appearance	White homogeneous powder
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Flammability (Solid, gas)	No data available
Vapour pressure	No data available
Relative density	No data available
Water Solubility	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition 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

	9.2 Other safety information No data available
Section 10	**Stability and Reactivity**
	10.1 Reactivity No data available **10.2 Chemical stability** No data available **10.3 Possibility of hazardous reactions** No data available **10.4 Conditions to avoid** No data available **10.5 Incompatible materials** No data available **10.6 Hazardous decomposition products** Other Decomposition products not known.
Section 11	**Toxicological Information**
	11.1 Information on toxicological effects ***Acute toxicity*** No data available ***Skin corrosion/irritation*** Mixture may cause skin irritation. ***Serious eye damage/eye irritation*** Mixture may cause eye irritation. ***Respiratory or skin sensitisation*** Mixture may cause skin sensitisation. ***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. ***Reproductive toxicity*** No data available ***Specific target organ toxicity- single exposure*** No data available ***Specific target organ toxicity - repeated exposure*** No data available ***Aspiration hazard*** No data available ***Potential Health Effects Inhalations*** REFER SECTION 2 ***Skin*** REFER SECTION 2 ***Eyes*** REFER SECTION 2 ***Ingestion*** REFER SECTION 2 ***Additional Information*** RTECS : Not Available

	11.2 Components ***Nalidixic acid*** *Acute oral Toxicity* Rat LD50 :2040mg/kg Mouse LD50 :572mg/kg *Acute Intraperitoneal Toxicity* Rat LD50 :319mg/kg Mouse LD50 :600mg/kg *Acute Intravenous Toxicity* Rat LD50 :1160mg/kg Mouse LD50 :101mg/kg *Acute Dermal Toxicity* Rat LD50 :1584mg/kg Mouse LD50 :500mg/kg ***Additional information*:** RTECS: QN2885000
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 **12.5 PBT and vPvB assessment** PBT/vPvB assessment was not conducted as chemical safety assessment is not required. **12.6 Other adverse effects** No data available
Section 13	**Disposal Considerations**
	13.1 Waste treatments methods **Product** Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose off this material. **13.2 Contaminated packaging** Dispose of as unused product.
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. **14.3 Transport hazard class (es)** ADNR: ADR: IATA_C: IATA_P: IMDG: RID: **14.4 Packaging group** ADNR: ADR : IATA_C : IATA_P : IMDG: RID: **14.5 Environmental hazards**

	ADNR : No ADR : No IMDG : Marine pollutant No IATA_C : No IATA_P : No RID : 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** No data available
Section 16	**Other Information**
	Text of H codes and classification mentioned in section 3 H317 : May cause an allergic skin reaction H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled Acute Tox.oral 4 : Acute toxicity, oral, Category 4 Resp. Sens. 1 : Sensitisation, respiratory, Category 1 Skin Sens. 1 : Sensitisation, skin, Category 1 **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.