Material Safety Data Sheet

1. Identification of the substance/mixture and basic company information

Trade Name	:	**Magnus 755**
Chemical Formula	:	Formulated Chemical
Manufacture / Supplied by	:	Cernol Chemicals (Namibia) (Pty) Ltd P O Box 22880, Windhoek, Namibia
Emergency telephone number	:	0024641-262 985 (International)

2. Composition and information of ingredients

Application	:	Emulsifiable solvent decarboniser
Chemicals names	:	Chlorinated hydrocarbons/cresols

3. Hazards identification

Physical/Chemical hazards	:	
Human health hazards	:	Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, charactorized by coughing, choking, or shortness of breath. The substance is toxic to kidneys, the nervous system, liver, upper respiratory tract, skin and eyes.

4. First aid measures

Eye contact	:	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used – WARM water MUST be used. Get medical attention.
Skin contact	:	In case of contact, immediately flush with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before re-use. Get medical attention.
Inhalation	:	If inhaled, remove to victim fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	:	If swallowed do NOT induce vomiting unless directed to do by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie,

belt or waistband. Get medical attention.

5. Firefighting measures

Extinguishing media:		
Suitable	:	**Small fire** – use DRY chemical powder **Large fire** – use water spray, fog or foam. Do not use water jet.
Unusual fire/explosion hazards	:	Combustible
Special fire-fighting procedures	:	No additional remarks.

6. Accidental release measures

Personal precautions	:	
Environmental precautions and Clean-up methods	:	**Small spill** – absorb with and inert material and put the spilled material in an appropriate waste disposal. If necessary: Neutralize the residue with a dilute solution of acetic acid. **Large spill** – Keep away from heat. Keep away from source of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas. Call for assistance on disposal. Neutralize the residue with a dilute solution of acetic acid. Be careful that the product is not present at a concentration level above TLV.

7. Handling and storage

Handling	:	Keep out of reach of children. Keep away from heat. Keep away from source of ignition. Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
Storage	:	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark of flames).
Packaging material	:	Use original container.

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8. Exposure controls and personal protection

Engineering measures	:	Provide exhaust ventiliation or other engineering control to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location. Use only in well-ventilated areas.
Hygiene measures	:	Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of the day.
Personal protective		
Respiratory system	:	Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Skin and body	:	Overalls
Hands	:	Gloves
Eyes	:	Splash goggles
Feet	:	Boots

9. Physical and chemical properties

Physical state	:	Liquid
Color	:	Clear dark brown
pH (1% solution)	:	>12
Odor	:	Strong
Odor Threshold	:	The highest known value is 0.7 ppm (ortho-Dichlorobenzene)
Boiling point	:	The lowest known value is 179°C (354.2°F) (ortho-Dichlorobenzene) Weighted average: 182.11°C (359.8°F)
Specific gravity	:	1.17-1.19
Vapor density	:	The highest known value is 5.07 (Air = 1)
(butyl acetate 1)	:	(ortho-Dichlorobenzene) Weighted average 472 (Air=1)
Solubility	:	
Flash point	:	Open cup: 65°C (149°F)
Fire hazards in presence of Various substances	:	
Auto-ignition temperature	:	The lowest known value is 558°C (1036.4°F) (Cresylic acid)
Explosive properties	:	Combustible
Lower explosion limit	:	
Viscosity	:	n/a

10. Stability and reactivity

Stability	:	The product is stable
Conditions to avoid	:	Avoid heat, flame and ignition sources.
Materials to avoid	:	Slightly reactive with oxidising agents.

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11. Toxicological information

Skin irritation	:	Hazardous in case of skin contact (irritant)
Eye irritation	:	Hazardous in case of eye contact (irritant)
Acute toxicity	:	No additional remark.
Chronic toxicity	:	No additional remark.

12. Ecological information

Ecotoxity	:	Harmful to aquatic organisms in low concentrations.
Biodegration	:	Possible hazardous short/long term degradation products are to be expected. The products of degradation are as toxic as the product itself.

13. Disposal considerations

Disposal consideration	:	DO NOT RE-USE CONTAINERS. Puncture all plastic containers. Flatten all metal containers.
Methods of disposal	:	Recover or recycle if possible, otherwise incineration.
Water classification	:	No additional remark.
Hazardous waste	:	Waste must be disposed of in accordance with federal, state and local environment control regulations.

14. Transport information

Classifications	:	Poisonous material. Toxic substance. Phenol UN 1871, Cresols UN 2076 Corrosive liquid.

15. Regulatory information

Classification	:	Highly toxic. Target organ effects. Corrosive material.
Risk Phrases	:	Combustible. Irritating to eyes and skin.
Safety Phrases	:	Avoid exposure. Wear suitable protective clothing, respirator and gloves.

16. Other information

The information and recommendations presented in this document are to be best of our knowledge and belief accurate and reliable, but do not constitute a warranty. None of our representatives or agents are authorised to give any guarantee or warranty or make any representation in addition or contrary to the above, and we do not accept any liability for claims of any kind for any loss including, without limitation.

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