



### 1. Identification of the substance and basic company information

Trade Name : **Decarboniser 666**  
Chemical Formula : Formulated Chemical  
Manufacture / Supplied by : Cernol Chemicals (Namibia) (Pty) Ltd  
P O Box 22880, Windhoek, Namibia  
Emergency telephone number : 024641-262 985 (International)

### 2. Composition and information of ingredients

Chemicals names : Dichloromethane CAS No. 75-09-02, Phenol CAS No. 108-95-2,  
1.2 Dichlorobenzene CAS No. 95-50-1.

### 3. Hazards identification

Physical/Chemical hazards : Not applicable  
Human health hazards : Harmful if swallowed. Very hazardous in case of inhalation.  
Toxic when in contact with skin  
Causes severe burns. Corrosive to eyes  
Environmental Hazards : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

### 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 20 minutes, keeping eye lids open. Cold water may be used. Get medical attention. Do not use any eye ointment. An aqueous solution of borax (2.5%) and boric acid (2.5%) is also recommended followed by drops of liquid paraffin or castor oil. Seek medical attention,  
Skin contact : In case of contact, immediately flush with water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before re-use. Get medical attention.  
Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial Respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion : Do NOT induce vomiting unless directed to do by medical personnel. Examine the lips and mouth to ascertain whether the tissues are damaged. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, waistband. Get medical attention immediately.

#### 5. Fire fighting measures

Extinguishing media:

Suitable : Not applicable

Hazardous thermal

(de)composition products : Toxic and irritating vapours are generated when heated. These products include phosgene, carbon oxides (CO, CO<sub>2</sub>), halogenated compounds.

Special fire-fighting procedures : Fire fighters should wear positive pressure self-contained breathing apparatus and full turnout gear.

#### 6. Accidental release measures

Personal precautions : Splash goggles, overalls, vapour respirator, boots, and gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient.

Environmental precautions and  
Clean-up methods :

Stop leak if without risk. Absorb with an inert dry material and place in appropriate waste disposal container for subsequent safe disposal. Neutralise the residue with a dilute solution of acetic acid. Be careful that the product is not present at a concentration level above TLV. DO NOT touch spilled material. Warn personnel to move away.

#### 7. Handling and storage

Handling : 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 or flames). Keep in cool, dry and well-ventilated area away from food, drink and animal foodstuff. Vent drum slowly when opening.
Packaging material	:	Use original container.

#### 8. Exposure controls and personal protection

Engineering measures	:	Provide exhaust ventilation or other engineering control to keep the airborne concentrations of vapors below their respective threshold limit value. Use only in well ventilated areas.
Hygiene measures	:	Wash hands, forearms and face after handling compounds and before eating, smoking, using lavatory, and at the end of the day.
Personal protective equipment		
Respiratory system	:	Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Skin and body	:	Overalls (chemicals resistant)
Hands	:	Gloves
Eyes	:	Splash goggles / face shield

#### 9. Physical and chemical properties

Physical state	:	Diphase liquid, medium brown lower layer
Color	:	Two-phased liquid (medium brown)
Odor	:	Strong
Odor Threshold	:	Weighted average: 219.53 ppm
Boiling point	:	Weighted average: 64.72°C (148.5°F)
Melting point	:	Weighted average: -73.39°C (-100.1°F)
Density	:	1.21 – 1.23g/cm <sup>3</sup>
Vapor Density	:	Weighted average: 2.96 (Air = 1)
Vapor Pressure	:	Weighted average: 39.16 kPa (293.72 mmHg) (at 20°C)
Evaporation rate (butyl acetate=1)	:	Weighted average: 12.48 compared to (n-BUTEL ACETATE=1)
Solubility	:	Easily soluble in methanol, diethyl ether, n-octanol, acetone.
pH	:	10.5 – 11.5 (as is)
Flash point	:	Not detected by PMCC
Explosive properties	:	Risks of explosion of the product in presence of mechanical impact or in presence of static discharge. Non flammable.

### 10. Stability and reactivity

Stability	:	The product is stable.
Materials to avoid	:	Highly reactive with oxidising agents, acids. Slightly reactive to reactive with acids.
Hazardous Decomposition Products	:	Toxic and irritating vapors are generated when heated. These products include phosgene, carbon oxides (CO, CO <sub>2</sub> ), halogenated compounds.

### 11. Toxicological information

Skin irritation	:	Hazardous in case of skin contact (corrosive)
Eye irritation	:	Hazardous in case of eye contact (corrosive)
Acute toxicity	:	Acute oral toxicity (LD50): 827 mg/kg [Rat – Weighted average theoretically calculated] Acute dermal toxicity (LD50): 630 mg/kg [Rabbit] (Phenol)
Chronic toxicity	:	Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

### 12. Ecological information

Ecotoxicity	:	Ecotoxicity in water (LC50) 92.6 mg/l (Theoretically calculated). Harmful to aquatic organisms, may cause long-term effects in the aquatic environment.
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### 13. Disposal considerations

Disposal consideration	:	DO NOT RE-USE CONTAINERS. Puncture all plastic containers. Flatten all metal containers. Shred all polywoven bags.
Methods of disposal	:	Do not re-use containers. Container and product must be removed by reputable waste disposal company. Do not dispose product to effluent.
Water classification	:	No additional remark.
Hazardous waste	:	The classification of the product may meet the criteria for a hazardous waste.

### 14. Transport information

n/a



#### 15. Regulatory information

Classification	:	Toxic
Risk Phrases	:	Harmful if swallowed. Corrosive to eyes and skin. Causes burns.
Safety Phrases	:	Avoid exposure. Wear suitable protective clothing and gloves. Keep locked up and away from children. DO NOT empty into drains

#### 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.*

*Ref 08/16 Technical Department*