



MATERIAL SAFETY DATA SHEET

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COMPANY DETAILS

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NOTE: The Chemtrec Transportation Emergency Phone is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

1. PRODUCT AND COMPANY IDENTIFICATION:

Trade Name:	Carboclean 250ZA	Class :	-
Chemical Family:	Medium Duty Solvent Degreaser.	PG.:	-
Chemical Name:		UN No.:	Not Regulated
Synonyms:			

2. COMPOSITION:

Substance / Preparation :	Preparation			
Chemical Name*	CAS No.	%	EC Number	Classification
Europe				
2-Butoxy Ethanol	111-76-2	0 – 10	203-905-0	Xn; R20/21/22 Xi; R37
Sodium Meta Silicate	6834-92-0	0 – 10	229-912-9	C; R34 Xi; R37
Diphosphoric Acid, Tetra Sodium Salt	77722-88-5	0 – 5	231-767-1	Xi; R38, 41 R43

See Section 15 for the full text of the R Phrases declared above

*Occupational Exposure Limit(s), if available, are listed in Section 8

3. HAZARDOUS IDENTIFICATION:

Main hazard:	Not applicable.
Flammability:	Non-Flammable
Chemical Hazard:	
Reproductive hazard:	Not Determined
Eye effect : eyes:	Corrosive to eyes.
Health effects - skin:	Hazardous in case of skin contact. (Corrosive)
Health effects – ingestion:	May cause burns to mouth, throat and stomach.
Health effects – inhalation:	Not expected to be an inhalation hazard under normal conditions of use with good ventilation.

4. FIRST AID MEASURES:

Product in eye:	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. Get medical attention immediately.
Product on skin:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used. Wash clothing before re-use. Thoroughly clean shoes before re-use. Get medical attention.
Product ingested:	DO NOT induce vomiting unless directed to do so by medical personnel. If large quantities of this material are swallowed, call a physician immediately. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt, or waistband.
Product inhaled:	Get medical attention if symptoms appear. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5. FIRE FIGHTING MEASURES:

The information contained herein relates only to the specific material identified. Stoncor Africa (Pty) Ltd believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information.

Extinguishing media:	Not Applicable
Special hazards:	No additional remarks.
Protective clothing:	No additional remarks.
6. ACCIDENTAL RELEASE MEASURES:	
Personal precautions:	Splash goggles. Overalls. Boots. Gloves.
Environmental precautions:	Contain all spills.
Small spills:	Stop leaks if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not spill materials. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system
Large spills:	Stop leaks if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not spill materials. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system
7. ACCIDENTAL RELEASE MEASURES:	
Suitable material:	Stable under normal conditions.
Handling precautions:	Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapour/spray. In case of insufficient ventilation, wear suitable equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as acids.
Storage precautions:	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.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION:	
Occupational Exposure Limits:	ACGIH TLV (United States). Notes: Weight averaged theoretically calculated. TWA: 100mg/m³ 8 Hour(s).
Engineering Control measures:	Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapours below their respective occupational exposure limits. Ensure that eyewash station and safety showers are proximal to the work-station location.
Hygiene Measures:	Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and after the end of day.
Personal Protection–respiratory:	Wear appropriate respirator when ventilation is inadequate.
Personal Protection–hand:	Gloves.
Personal Protection–eye:	Face shield.
Personal Protection–skin:	Overalls
Other Protection:	None
9. PHYSICAL AND CHEMICAL PROPERTIES:	
Appearance:	Fluorescent Yellow Liquid
Odour:	Slight
PH:	>12.00 (Conc. (% w/w): 100) [Basic]
Boiling Point:	Weighted average: 103.98°C
Melting Point:	Weighted average: -4.27°C
Flash Point:	Not Applicable.
Flammability:	Not Flammable
Auto-flammability:	Not Flammable
Explosive Properties:	Not a high explosion risk.
Oxidising Properties:	Not Applicable
Vapour Pressure:	Weighted average: 2.17 kPa (at 20°C)
Density:	1.022
Solubility - water:	Easily soluble in cold water and hot water.
Solubility - solvent:	Easily soluble in methanol, acetone and very slightly soluble in diethyl ether.

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10. STABILITY AND REACTIVITY:

Conditions to avoid:	Reactive with acids. Non-reactive with oxidizing agents, reducing agents, combustible materials, organic materials, metals, alkalis.
Incompatible materials:	None
Hazardous decomposition Products:	No Known data

11. TOXICOLOGICAL INFORMATION:

Acute Toxicity:	Acute oral toxicity (LD50): 2900 mg/kg [Rat – Weighted average theoretically calculated].
Skin and eye contact:	Hazardous in case of skin contact (corrosive), Hazardous in case of eye contact (corrosive)

12. ECOLOGICAL INFORMATION:

Aquatic toxicity - fish:	(LC50): 50 mg/l [Weighted averaged theoretically calculated], 96 hours
Aquatic toxicity - daphnia:	Not Determined
Aquatic toxicity - algae:	Not Determined
Biodegradability :	BOD and COD
Bio-accumulation :	Not Determined
Mobility :	Not Determined

13. DISPOSAL CONSIDERATIONS:

Disposal methods :	In accordance with local regulations.
Disposal of packaging :	In accordance with local regulations.

14. TRANSPORT INFORMATION:**International Transport Regulations**

Regulatory Information	UN Number	Proper Shipping Name	Class	Packaging Group	Label	Additional Information
ADR/RID Class Land-Road/Railway	Not Regulated	-	-	-	-	-
ADN Class Inland Waterways	Not Regulated	-	-	-	-	-
IMDG Sea	Not Regulated	-	-	-	-	-
IATA-DGR Class Air	Not Regulated	-	-	-	-	-

15. REGULATORY INFORMATION:**EU Regulations**

Hazard Symbol(s) :



Classification:	Irritant
Risk Phases:	R35/38 – Irritating to eyes and skin.
Safety Phases:	S2 – Keep out of the reach of children. S46 – If swallowed, seek medical advice immediately and show this container or label.
Product Use:	Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and intended use.

16. OTHER INFORMATION:

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