



Safety Datasheet

Revision date: 08/02/2021

1 Product Identification

Trade Name:	V-WORX BLEACH
Chemical abstract number:	N/A
Chemical family:	Hyphochlorite
NIOSH number:	N/A
UN number:	N/A
Synonyms:	Hypochlorous Acid, Sodium Salt

2 Company Information

Manufacturers Name:	V-Worx (Pty) Ltd
Address:	Cosmo Business Park, Unit 66 Cosmo City, Johannesburg GAUTENG
Telephone Number	010 446 9891
Fax:	086 687 2549
e-Mail:	info@v-worx.co.za
Website:	www.v-worx.co.za

3 Hazardous Identification

Main Hazard:	Non hazardous to health and environmental according to EEC criteria
Flammability:	No
Chemical Hazard:	No
Biological Hazard:	No
Health effects – eyes:	May cause slight transient (temporary) irritation. Corneal injury likely.
Health effects – skin:	Not expected to cause significant skin irritation.
Health effects – ingestion:	Amounts incidental to handling not expected to cause injury.
Health effects – inhalation:	Swallowing concentrate may cause nausea, vomiting and diarrhea.
Carcinogenicity:	No signs and symptoms expected
Mutagenicity:	No
Neurotoxicity:	No



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4 Composition

Hazardous components	CAS No.	Concentration	Threshold Limit	Classification
Sodium Hypochlorite	7681-52-9	3		R36 / 38

5 First Aid Measures

Product in eye:	Immediately flush eyes with water plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
Product on skin:	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse..
Product ingested:	Do not induce vomiting. Give large quantities of water. Get medical attention immediately.
Product inhaled:	Remove to fresh air. If breathing difficult, seek medical attention.

6 Fire Fighting Measures

Extinguisher Media:	Use any means suitable for extinguishing surrounding fire.
Special Hazards:	Not considered to be a fire hazard. Substance releases oxygen when heated.
Protective Clothing:	Full protective clothing and NIOSCH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.



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7 Accidental Release Measures

Personal Precautions:	Wear appropriate personal protective equipment.
Environmentally Precautions:	Do not flush to sewer.
Spills	Collect liquid in an appropriate container using a mop. Absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw-dust.

8 Handling and Storing

Occupational Exposure Limits:	AIHA (WEEL) – STEL – 2mg/m ³ – OSHA Permissible Exposure Limit (PEL): 0.5ppm (TWA)
Engineering Control Measures:	A system of local and/or general exhaust is recommended.
Personal Protection – respiratory:	If the exposure limit is exceeded, a full face-piece respirator with an acid gas cartridge may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest.
Personal Protection – hand:	Wear impervious protective gloves.
Personal Protection – eyes:	Use chemical safety goggles and/or full-face shield.
Personal Protection – skin:	Wear impervious protective clothing, including boots, lab, coat, apron or coveralls.
Other Protection:	Whatever necessary to prevent skin contact.

9 Chemical and Physical Properties

Appearance:	Liquid
Odour:	Chlorine
Colour	Clear
pH:	11.5 - 13
Boiling Point:	40°C (104°F) Decomposes slightly
Melting Point:	-6°C (21°F)
Flash Point:	None
Flammability:	No
Auto Flammability:	No
Explosive Properties:	None
Oxidizing Properties:	Yes
Vapour Properties:	17.5 @ 20°C (68°F)
Density:	1.04 g/ml
Solubility in Water:	Complete
Solubility – Solvent:	No
Solubility – Coefficient:	N/A
Neurotoxicity:	No
Specific Gravity:	1.03 – 1.06 Kg/l

10 Stability and Reactivity

Conditions to avoid:	Light, heat, incompatibles
Incompatible Materials:	Ammonia (chloramines gas may evolve), amines, amines, ammonium salt, aziridine, methanol, phenyl acetonitrile, cellulose, ethyleneimine, oxidizable metals, acids, soap, and bisulfates.
Hazardous Decomposition Products:	Emits toxic fumes of chlorine.



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11 Toxicological Information

Acute Toxicity:	No information found
Skin and eye contact:	Eye, rabbit, 10mg - Moderate
Chronic toxicity:	N/A
Carcinogenicity:	IARC Category 3
Mutagenicity:	Yes
Reproductive hazard:	No information found

12 Ecological Information

Aquatic toxicity – fish:	N/A
Aquatic toxicity – daphnia:	N/A
Aquatic toxicity – algae:	N/A
Biodegradability:	Yes
Bio-accumulation:	No
Mobility:	No
German wgk:	N/a

13 Disposal Consideration

Disposal Methods:	Dilute with water and flush to sewer if local ordinances allow, otherwise, whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility.
Disposal of packaging:	Recycle or dispose of at approved sites.



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14 Transport Information

UN No.:	UN1791
Substance Identity no.:	N/A
ADR/RI class:	8
ADR/RID item no.:	N/A
ADR/RID hazard identity no.:	R2
IMDG – shipping name:	Hypochlorite Solution
IMDG – class:	8
IMDG - packaging group:	III
IMDG – marine pollutant:	No information found
IMDG – EMS no.:	N/A
IMDG – MFAG table no.:	N/A
IATA – shipping name:	Hypochlorite Solution
IATA – class:	8
IATA – subsidiary risk(s):	Fatal is swallowed
ADNR – class	8
UK – emergency action class:	N/A
Tremcard no.:	N/A

15 Regulatory Information

EEC hazard classification:	N/A
Risk phases:	Fatal is swallowed
Safety phases:	Corrosive skin contact
National legislation:	N/A



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16 Other Information

N/A

N/A

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N/A = Not Available