



CLEANING SUPPLIES

Material Safety Data Sheet

CLORGUARD HW

1. Identification of the material and supplier

PRODUCT NAME: CLORGUARD HW
OTHER NAMES:
RECOMMENDED USE: MACHINE DISHWASHING DETERGENT, SANITIZER FOR HARD WATER CONDITIONS

COMPANY: Cleveland Cleaning Supplies Pty Limited
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Australia

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POISONS INFORMATION CENTRE PHONE: 13 11 26 (24 hrs)
FOR EMERGENCY RESPONSE: 000

2. Hazards identification

DANGEROUS GOODS Classified as hazardous according to the criteria of NOHSC / ASCC.

RISK PHASES C Corrosive
R34 Causes burns
R37 Irritating to the respiratory system.

SAFETY PHASES S1/2 Keep locked up and out of reach of children
S13 Keep away from food and drink and animal feedstuff.
S24/25 Avoid contact with the skin & eyes.
S36 Wear suitable protective clothing
S37 Wear suitable gloves
S39 Wear eye/face protection
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

3. Composition/ information on ingredients

<u>NAME</u>	<u>CAS</u>	<u>PROPORTION</u>
Disodium Metasilicate	6834-92-0	30-60%
Chlorinated Trisodium Phosphate	56802-99-4	30-60%
Sodium Carbonate	497-19-8	10-<30%

The ingredients below are **not** considered hazardous or dangerous goods according to the criteria of NOHSC / ASCC and ADG code (respectively) at the levels used in this product.

Other ingredients determined not to be hazardous <10%

4. First Aid measures

SWALLOWED Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. If swallowed DO NOT induce vomiting. For advice contact a Poisons information Centre Phone Australia 13 1126 or a doctor.

EYE Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes, by the clock, holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Obtain medical attention immediately.

SKIN If skin or hair contact occurs, remove contaminated clothing, shoes and leather goods. As quickly as possible, flush contaminated area with lukewarm, gently running water.



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INHALED If symptoms are experienced, such as cough, dry throat, difficulty in breathing, nasal congestion and headaches or dizziness remove source of contamination or move victim to fresh air.

FIRST AID FACILITIES Ensure eyewash and safety shower facilities are available in workplace.

Additional information / Aggravated medical conditions
No known effect

5. Fire fighting measures

Suitable extinguishing media
NON FLAMMABLE
Large fire
Use water spray and fog
Fight fire from protected position or use unmanned hose holders or monitor nozzles.
If safe to do so, move undamaged containers from fire area – Do not approach hot containers
Cool containers with water before handling
If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.

Special protective precautions and equipment for fire fighters
Wear SCBA and protective gloves. Structural fire-fighters uniform provides limited protection. If large amounts are involved wear SCBA and chemical splash suit.

HAZCHEM CODE 2X

6. Accidental release measures

Restrict access to area until completion of clean up. Ensure clean up is conducted by trained personnel only. Wear protective clothing including facemask, face shield and gauntlets. Prevent material from entering sewers or confined spaces. Sweep up & put material in suitable, covered, labelled containers.
Disposal: review federal, state and local government requirements prior to disposal.

7. Handling and storage

STORAGE INCOMPATIBILITY
Avoid storage with Acids. Incompatible with acids, will cause release of toxic chlorine gas.

STORAGE REQUIREMENTS
Keep out of reach of children
Keep locked up
Store away from incompatible materials.
Avoid storage at temperatures higher than 30°C
Protect containers against physical damage.

8. Exposure controls / Personal protection

NATIONAL EXPOSURE STANDARDS
No exposure standards have been established for this material. Exposure standards recommended by A.S.C.C. Australia for some ingredients are as follows:
TWA (TIME WEIGHED AVERAGE)
mg/m³ ppm
No Data

ENGINEERING CONTROLS Use in well ventilated areas.

PERSONAL PROTECTION
RESPIRATOR TYPE Where ventilation is not adequate, respiratory protection may be required. An approved dust particle half mask should be used. Respiratory protection should comply with AS/NZS 1715.



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EYE PROTECTION Safety glasses or chemical goggles. Failure to do so may result in eye damage if an accident occurs.

GLOVE TYPE Chemical resistant gloves provide adequate protection.
CLOTHING Wear protective plastic or PVC apron to prevent contact with clothing.

Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

APPEARANCE Pink Powder
ODOUR Chlorine odour
PH 12.7 @ 1% concentration
VAPOUR PRESSURE Not Determined
VAPOUR DENSITY Not Determined
BOILING POINT Not applicable
BOILINGRANGE Not applicable
MELTING POINT Not available
SOLUBILITY IN WATER Miscible
SPECIFIC GRAVITY Not applicable water = 1.000
FLASH POINT Non Flammable
FLAMMABILITY LIMITS Not applicable

10. Stability and reactivity

Stable under normal conditions of storage and use

11. Toxicological information

Health effects from acute exposure

SWALLOWED Corrosive. Can cause damage to throat, lungs and stomach.

EYE Corrosive and may cause severe or permanent eye damage, Concentrated solutions can cause severe irritation and corrosion injury unless washed out immediately

SKIN Irritating to skin. Brief contact may cause redness. Repeated or prolonged contact may result in corrosion.

INHALED Can be irritating to the nose, throat and upper respiratory tract.

Health effects from chronic exposure

Prolonged or repeated contact may cause dermatitis. No other specific data is available for the product for chronic exposure symptoms.

12. Ecological information

No Data

13. Disposal considerations

Disposal: Review federal, state and local government requirements prior to disposal.

14. Transport information

TRANSPORTATION

UN CLASS 3262
PROPER SHIPPING NAME Corrosive Solid Basic, Inorganic, N.O.S
DG CLASS 8
SUBSIDIARY RISK none allocated
PACKAGING GROUP 111
RECOMMENDED USE MACHINE DISHWASHING DETERGENT, SANITIZER FOR HARD WATER CONDITIONS.

15 Regulatory information

POISONS SCHEDULE 5



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16. Other information

Produced by: Cleveland Cleaning Supplies Pty Limited, ABN: 61 001 175 748

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END OF REPORT
