

# SAFETY DATA SHEET

## PRODUCT AND COMPANY IDENTIFICATION:

### Cleaning Systems H.P. 12.5%

Hydrogen Peroxide Solution 12.5%

#### CLEANING SYSTEMS LTD

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EMERGENCY CONTACT: Phone (64-9) 579-4114 8 am to 5 pm Mon to Fri  
After Hours: National Poisons & Hazardous Chemical Information Centre: 0800-764-766 (0800-POISON)

## HAZARD IDENTIFICATION:

By the Hazardous Substances and New Organisms Act 1996 and Classification Regulations 2001, the product is approved as:

Cleaning Products Oxidising Group Standard HSR002590

**Signal Word:** Danger

**HSNO Hazard Classification:** 5.1.1C May intensify fire; oxidizer.  
6.1E May be harmful if swallowed.  
6.3A Causes skin irritation.  
6.9B May cause damage to lungs through prolonged or repeated inhalation.  
8.3A Causes serious eye damage.  
9.1D Harmful to aquatic life.

**Precautionary Statements:** Keep away from heat and hot surfaces. No smoking.  
Keep away from clothing and other combustible materials and use only as directed  
Take any precaution to avoid mixing with combustibles.  
Wear protective gloves, protective clothing and eye protection/face protection.  
Keep out of reach of children.  
Read label before use.  
Wash hands thoroughly after handling.  
Do not breathe mist, vapours or spray.  
Avoid release to the environment.

## COMPOSITION & INFORMATION ON INGREDIENTS:

Hydrogen peroxide (CAS# 7722-84-1)	12½ % w/v
Preservative	< 2 %
Water	to 100%

## FIRST AID MEASURES:

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.

**IF ON SKIN:** Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs: Get medical advice.

**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.

**MEDICAL ASSISTANCE:** If discomfort persists, call your nearest Medical Centre or the NZ National Poisons Centre 0800-764-766 for advice. Have this label or Safety Data Sheet on hand.

## FIRE FIGHTING MEASURES:

Exposed to heat or fire this material will increase the fire intensity but not burn independently.  
Containers subject to heat from a fire may explode scattering burning contents. Where possible remove containers from the path of the fire. Otherwise cool with water spray to avoid heating.  
Avoid contact with other combustible materials eg wood, oil, paper.  
Firefighters wear SCBA and chemical resistant suits.  
Use foam, CO<sub>2</sub>, dry chemical powder, or BCF to extinguish a fire in the vicinity. Water spray or fog on large scale fires only.

**ACCIDENTAL RELEASE MEASURES:**

Prevent any large spills from entering drains or water courses.  
 Remove any spilt material from contact with organic, combustible materials such as wood, oil, or paper.  
 Clear up all spilt material with shovels and brooms immediately and place it in secure containers with lids.  
 If this contained material cannot be recovered for use, the containers must be disposed of through a recognised waste treatment expert.

**HANDLING AND STORAGE:**

Store containers, with secure closures, in sites where they can be kept cool and away from heat and ignition sources.  
 Storage in HSNO defined Hazardous Substance Locations is required for Class 5.1.1C products where greater than 100 kg is stored for use, and in Transit Depots for greater than 1000 kg.  
 Do not store with flammable or combustible materials. Keep away from organic material such as wood, oils, and paper.  
 Handle to prevent damage to containers and avoid producing dust. If necessary repack into clean and dry original containers or only into new plastic containers with sealable lids. Do not use metal containers for storage.  
 After use return to safe storage as soon as possible.

**EXPOSURE CONTROLS & PERSONAL PROTECTION:**

Exposure controls: No data is available for this product. 12½% Hydrogen Peroxide. Pure hydrogen peroxide WES is 1.4 mg/cu m (1ppm)  
 Eye protection: Safety glasses.  
 Protective clothing: Wear safety gloves and overalls, apron, or protective clothing (apron or overalls).  
 Respiratory protection: Should the operator be subject to dust in the routine handling of this product, a mouth and nose filter guard should be used. If subject to regular dust clouds a respirator should be used.  
 Ventilation: Where an operator is subject to dusty conditions, ensure there is ready access to eyewash units and safety shower. Also ensure adequate ventilation is provided in the work space.

**PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance</b>	Clear colourless liquid
<b>Odour</b>	None
<b>pH</b>	2.0
<b>Flash Point</b>	Not tested
<b>Ignition Point</b>	Not tested
<b>Specific Gravity</b>	1.04
<b>Refractive Index</b>	1.034
<b>Viscosity</b>	Not applicable
<b>Relative Foam</b>	Not applicable
<b>Solubility in water</b>	Complete

**STABILITY AND REACTIVITY:**

Is considered stable under normal handling conditions. Avoid exposure to heat, moisture, or water.  
 Avoid the presence of flammable, and chemical reducing materials in the vicinity.  
 Hazardous polymerisation will not occur.  
 Combustion will release irritating and dangerous fumes.

**TOXICOLOGICAL INFORMATION:**

No data is available .  
 Hydrogen Peroxide 20% soln LD50 Rat 2088 mg/kg body weight. (ERMA CCID)

**ECOLOGICAL INFORMATION:**

No data is available .  
 Hydrogen peroxide 20% soln LC50 Fresh water fish 82 mg/kg. (ERMA CCID)

**DISPOSAL CONSIDERATIONS:**

Dispose of in accordance with local regulations by recognised waste disposal experts. Landfill or incineration is the preferred method.  
 Spilled powders should be recovered by broom and shovel into open ended drums which can be closed prior to disposal.  
 Used containers should be rinsed, not recycled, but disposed of in landfill or incinerated.

**TRANSPORT INFORMATION:**

**Proper Shipping Name:** Hydrogen Peroxide Aqueous Solution (12.5%)

**UN Number:** 2984

**Dangerous Goods Class:** 5.1

**Subsidiary Risk:** -

**Packaging Group:** III

**Hazchem Code:** 2R

**Flash Point C:** Not Applicable

**NZ REGULATORY INFORMATION:**

Hazardous Substances and New Organisms (HSNO) Act 1996 and Classification Regulations 2001 for the product of this concentration:

Controls for product:

Wear protective clothing when handling the concentrated liquid: gloves, overalls or apron, safety glasses, and respirator.

Work only in well ventilated sites.

Keep the concentrate in secure, properly labelled containers.

**OTHER INFORMATION:**

Formulation Reference: Ver 1

SDS Preparation Date: 20/03/2016

SDS Expiry Date: 20/03/2021

**END OF THIS SAFETY DATA SHEET**