



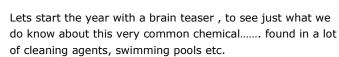


## In this issue >>>

logging of fruit transportation SI Calibration Van

Case Study: data-

- **Confined Space** 
  - **Training**



Q8 Is chlorine corrosive?

within a few minutes

react with flammable materials

7.

8.

Chlorine Quiz

Exposure Limits (STEL/TWEL) WEL Long Term Exposure

## CI

**Chlorine** 

17 Number

Symbol

**WEL Short Term Exposure** 

Substance	CAS#	CAS # Limit -8 ni		Limit -15 mins ref	
		РРМ	Mg.m-3	РРМ	Mg.m-3
Chlorine	7782-50-5	_	_	0.5	1 5

Q1 Why is chlorine an essential reagent in the chemical industry?	1	
Q2 What colour is chlorine at normal temperature and pressure? (NTP)		
Q3 Is chlorine a halogen or a diatomic gas?		

- Where can chlorine be found in abundance in nature as a
- **Q5** Can chlorine gas be toxic?
- chloride ion?
- Q6 Name three industrial uses for chlorine Q7 Can chlorine become flammable?

It is an effective bleaching element and powerful oxidant.

2. Greenish-yellow 3. Chlorine is both a halogen and a diatomic gas

Chloride ions are components of salt which means that nearly 2% of the world's sea water is in fact made up of Chloride ions. In the form of chloride ions (salt), chlorine is necessary

Q9 How do you keep your workers safe if you have chlorine present on a site?

to all known species of life. Yes 40-60ppm leads to toxic pneumonitis and pulmonary edema,

cracking of stainless steel used as ceiling supports.

(PID), MultiRAE and single sensor chlorine gas detectors.

your gas detection instrument and bump testing.

ing both your workers and your plant open to danger.

"personnel" gas detection devices.

Emails us:

Water purification, disinfecting, cleaning products, water treatment industry

Because chlorine has the ability to oxidise easily it means it can also

Yes, some swimming pool ceilings have been known to collapse catastro-

phically due to the corrosive effects of chlorine causing stress corrosion

430ppm is lethal after 30 minutes and 1000ppm iits absolutely fatal

- Chlorines toxic and reactive nature means that both fixed and portable gas detection are required to ensure both plant and personnel are safe from potential hazards
- Contact us for further details

If you would like advice on chlorine gas detection systems we can offer fixed solutions in our Sensepoint XCD Remote Toxic Detector (RTD), and portable solutions such as Gas Alert Micro 5



The right approach to expert training can save you both time and money, maximising device uptime. Professional training is imperative when it comes to the proper use and ongoing care of life saving equipment like gas detectors. In fact being able to maintain and use your gas

All gas detection is designed to protect not only personnel but also your plant and assets against flammable and toxic gas hazards. If your gas detector is not set up or operated in accordance with its intended use then it may not measure gas concentrations correctly, leav-

We are all aware of the potential danger from gas releases/leaks -including fire/explosion risks from flammable gases and fatal poisoning by toxic gases, so it is vital that workers not only understand these dangers, but also maintain a healthy respect and working knowledge of their

Many fixed and portable devices specified in the local market place are driven by compliance requirements and the arrival of "bump" test stations/microdocks etc have enabled regular portable bump testing of your gas detection devices as best practise, this addition with a little

For further details on docking/calibration/bump testing stations : or our hand-over training

detection device correctly can potentially mean the difference between life and death.

Why is gas detector "training" so important ???

training can reduce ongoing maintenance costs substantially, simplifying maintenance and providing an attractive in-house solution to keep both your workers and plant safe.

Mainland Alert

Keep an eye out for our new South Island based calibration/service van. Decked out with exciting new graphics, and permanently based in the South Island - David

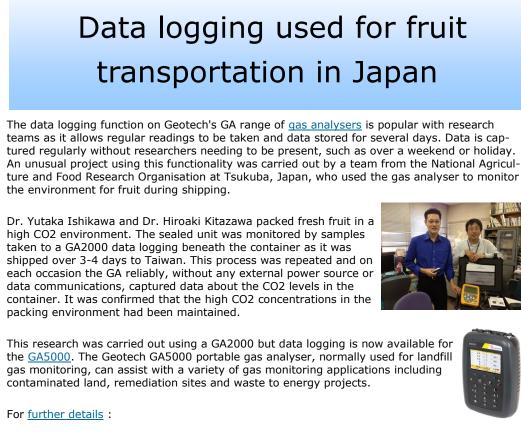
McRoberts should be driving it to a site near you.....soon.

sales · service · hire

taking advantage of this situation) contact us

Remember if you would like your instruments serviced on-site (and are not already

Case Study: Geotech UK



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GE Sensing Conference Updates

GE conference in Korea (GE Sensing)

address on Tsunami gauges.

and asteroid version

commercial market

is compatible with the AMC accessories.

To remove your name from our mailing list, please click here.

■ Questions or comments? ■ Email us at : <u>apc.co.nz</u> or call 64 9 827 6001

GE Conference Update/ Seoul, Korea

Our intrepid traveller Dave Catt has recently attended the

83 delegates attended at the end of January at GE's newly completed Electronic Technology Centre (GE ETC) which is considered a showcase for the future. During the three day conference Dave delivered an 'off the cuff"

have requested to be considered as the test site for this new initiative.

GE are introducing a training program called "Raising the Bar". This will incorporate an online tool for pressure technical training and certifying sales and service engineers. APC Techsafe

DPI620 ceases production this month and will be replaced by the GeneII DPI620. This fully featured device will have "Apple like display and interface", Full calibration tools available and

Sensors /UNIK 5000 New software engineering configuration tool will be available as an app ADTS ADTS 568 to be introduced later this year, fully featured using TERPS sensor for the