



Green Spray Disinfects Countertops and Equipment



The IV-7 Ultimate Germ Defense is an antimicrobial, antifungal, antiviral spray that eliminates germs and pathogens from surfaces. The nontoxic solution is classified as a U.S. Environmental Protection Agency (EPA) Category IV (lowest

toxicity) substance and requires no hazard or warning statements. The active ingredient, silver dihydrogen citrate (SDC), has a 30-s kill time plus a 24-h residual kill time for standard indicator bacteria, a 2-min kill time for some resistant strains of bacteria, a 10-min kill time for fungi, a 30-s kill time for HIV Type I, and a 10-min kill time for other pathogenic viruses. Unlike traditional quat-, alcohol- or bleach-based surface disinfectants, IV-7 has no noxious odor or side effects.

PURE Bioscience

www.iv-7.net

Clamp Promotes Easy Access for Safe Inspection and Maintenance

The Witte C-20 clamp eliminates confined-space entry hazards because it is permanently mounted on machinery to hold covers, housings, panels, doors, and other parts together, yet it retracts easily for fast access to the interior. Used in place of welding, riveting and other fixed fasteners, the C-20 clamp system eliminates inaccessible spaces and enables inspection, part replacement, cleaning, and other maintenance activities to be performed without requiring an employee to enter the unit. By safeguarding workers from exposure to potentially harmful situations, the C-20 clamp eliminates concern for compliance with the U.S. Occupational Safety and Health Administration's

(OSHA) 29 CFR 1910.146 standard governing permit-required confined spaces, as well as the need for respirators, suits, and associated safety gear. The clamp is proven in use on machine parts made of steel, aluminum, plastic, composite, wood, and other materials, and in different thicknesses. It is available in cast aluminum and stainless steel construction, or in 100% U.S. Food and Drug Administration (FDA)-approved Type 303 stainless steel to meet U.S. Dept. of Agriculture (USDA) regulations and 3-A standards for the food and dairy industries.

The Witte Co.

www.witte.com

Gas Detector Offers Reliable, Early Detection in Harsh Environments



The IR5500 Open Path Gas Detector provides continuous monitoring of combustible gas concentrations that pose a significant danger at petrochemical, electric utility, wastewater treatment, and other types of plants. It is reported to be the first open-path detector to meet International Society of Automation (ISA) performance requirements on both the lower explosive limit (LEL) and parts-per-million (ppm) scales, the first with a split-range scale for ppm and LEL monitoring, and the first to be certified for operation at -55°C . In addition, it is among the first major open-path detectors certified to FM Approvals, EN, and IECEx performance standards. Consisting of an infrared source and receiver, the system continuously monitors for methane in the 0–5,000 ppm and 0–5% LEL

ranges, as well as for propane in the 0–2,000 ppm and 0–1% LEL ranges. The IR5500 provides two 4–20-mA analog signals proportional to each of the above ranges, in addition to a digital display and relay contacts. The advanced IR sensor has a single-beam detection design, which improves accuracy and reduces drift, and includes continuous self-check monitoring for fail-to-safe operation. Automatic gain control compensates for dirty optics, rain, and fog. Unlike most open-path detectors, the IR5500 features a built-in display, which simplifies installation and maintenance while reducing the total cost of ownership. Sensor data and status information from the IR5500 can be transmitted up to 9,000 ft to any industrial analog-to-digital (A/D) converter for use in multipoint computer-based monitoring. Event logging is provided for faults, maintenance, warning, and alarm events. The IR5500 is available with HART and Modbus, providing complete status and control capability in the control room.

General Monitors

www.generalmonitors.com

Safety Shields Protect Pilot Plant Reactors

New polycarbonate safety shields provide an enhanced level of safety to the company's reactors. The shields feature clear, 0.25-in. polycarbonate panels that fit standard stainless steel pilot plant stands, attaching to the frames via corrosion-resistant stainless steel connectors. The door has a handle and positive catch for easy access to the reactor. The shields fit spherical and cylindrical Ace reactors from 10 L up to 200 L, and jacketed or plain flasks.

Ace Glass Inc.

www.aceglass.com

Hazmat Suit Earns Certifications

The ONESuit Shield is this company's first Level B chemical protective hazmat suit and is certified to



the National Fire Protection Agency (NFPA) 1994 Class 2 and 1992 standards. In accordance with the NFPA 1994 Class 2 Standard on Protective Ensembles, ONESuit Shield protects first responders from terrorism incidents involving the use of chemical or biological agents. Under NFPA 1992, the new suit also offers certified protection against chemical liquid splash. The suit features an open face design so that the self-contained breathing apparatus (SCBA) is worn outside the suit, allowing the user to remain inside the suit. ONESuit Shield features a unique mask interface engineered for seamless mask compatibility and optimum comfort and security. The new Level B suit was developed from the proprietary high-performance Coretech barrier membrane, ensuring flexibility and comfort.

Saint-Gobain Performance Plastics
www.onesuittec.com

Mobile GC/MS Identifies Explosives and Chemicals Onsite

The Griffin 460 mobile gas chromatograph mass spectrometer (GC/MS) enables multimodal sample introduction for liquid, solid, and vapor samples while also providing continu-

ous direct air monitoring. It is said to be the only mobile GC/MS to provide this range of sample introduction in a single system that also enables tandem mass spectrometry (MS/MS). The Griffin 460 is well-suited for field-based forensics and other mobile laboratory applications, as well as for integration into facility air handling systems. During continuous monitoring applications, it can be programmed to alert when it detects the presence of selected chemicals in both indoor and outdoor environments for near-real-time detection and identification of a chemical agent release. The system simplifies sample handling through the use of extremely lightweight accessories, such as a fully automated purge-and-trap accessory and the Griffin XSorber, a handheld vapor sampler with thermal desorption capabilities.

FLIR Systems, Inc.
www.flir.com/griffin460

Bifocal Eyewear Provides Safety and Magnification

For workers needing bifocal vision correction and eye protection, Gateway Safety has added a clear 3.0-diopter lens option to its Scorpion MAG and StarLite MAG bifocal eye protection styles. Both are now available in five diopter strengths: 1.0, 1.5, 2.0, 2.5, and 3.0. Bifocal safety eyewear allows extra magnification without workers needing to switch between regular safety glasses and reading glasses. The Scorpion MAG eyewear has adjustable-length ratcheting temples and a soft fingertip nosepiece that allow it to fit comfortably without slipping, and a dual-lens design with a venting system that helps minimize fogging. The StarLite MAG, a bifocal version of the original StarLite safety glasses, boasts style, comfort, and all-around impact protection. Both versions meet or exceed the ANSI Z87.2+ standard.

Gateway Safety, Inc.
www.gatewayssafety.com

Library Compiles Data for Human and Environmental Hazards

The Chemical Hazard Information Library (CHIL) offers extensive, up-to-date content that saves users time and effort by providing a consolidated and comprehensive resource to find toxicology, pharmacology, occupational and public health, and chemical hazard information. The library includes millions of documents containing information on toxicity, carcinogenicity, mutagenicity, teratogenicity, occupational exposure, and other hazard-related subjects. It consists of more than 130 collections that provide continually updated hazard and reproductive risk data on tens of thousands of chemicals. The collections include content from a wide range of international sources.

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Designed to monitor high, intermediate or low point-level detection on dry bulk solids as well as liquids or slurries, the **Dynatrol® Level Detectors** are available in corrosion-resistant coatings. The compact, rugged detectors are built in the USA and are solidly constructed for a long operating life. They have no moving parts, require no adjustments and are virtually wear-free – delivering a worry-free solution for your demanding service conditions.

Request your copy of the latest Dynatrol® catalog - on CD!



Covers the complete **Dynatrol®** line of level switches & detectors, on-stream process analyzers, measurement & control instruments and a new line of accessories. Includes detailed drawings, wiring diagrams, and examples of proven uses.

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