

AM

AM E-SENTIAL CONNECTION

July 2011

Body Protection: MICROGARD® Coverall

What's the

News?



MICROGARD®
High Performance Protection in Comfort

MICROGARD® Limited was one of the world's first manufacturers of limited life chemical protective clothing. It introduces new technology and designs to the market to improve wearer protection and comfort for over 35 years.



Whether you are working with liquid or solid chemicals, asbestos, paint, oil, grease, viruses and blood borne pathogens or one of the countless other workplace contaminants in evidence today, Microgard® can keep you protected.















AM SALES & MARKETING SDN. BHD. is proud to be the authorized distributor of MICROGARD® coverall in Malaysia where we exhibiting MICROGARD® coverall In COSH 2011 Exhibition.

Click [HERE](#) for more details on
AM SALES in COSH 2011!

Guide to European Norms and Selection Guide

To assist you with the selection of chemical protective clothing the EU has developed six “types” of chemical protective clothing.

Current European “Types” of Chemical Protective Clothing		
EN “Types”	Definition	Symbol*
EN 943-1 & 2 “Type 1”	Gas Tight Chemical Protective Clothing Protective clothing against liquid and gaseous chemicals, aerosols and solid particulates	 TYPE 1
EN 943-1 “Type 2”	Non Gas Tight Chemical Protective Clothing Suits which retain positive pressure to prevent ingress of dusts, liquids and vapours	 TYPE 2
EN 14605 “Type 3”	Liquid Tight Suits Suits which can protect against strong and directional jets of liquid chemical	 TYPE 3
EN 14605 “Type 4”	Spray Tight Suits Suits which offer protection against saturation of liquid chemicals	 TYPE 4
EN ISO 13982-1 “Type 5”	Dry Particulate Protection Suits which provide protection to the full body against airborne solid particulates	 TYPE 5
EN 13034 “Type 6”	Reduced Spray Suits Suits which offer limited protection against a light spray of liquid chemicals	 TYPE 6
Additional Standards achieved by the MICROGARD® product range		
Standard	Definition	Symbol*
EN 1073-2**	Protective clothing against radioactive particulate contamination	 EN 1073-2
EN 14126	Protective clothing against infective agents (“Type” prefixed with “-B” [i.e. Type 3-B] indicates approval to this European Norm)	 EN 14126
EN 1149-1 EN 1149-5	Protective Clothing with electrostatic properties***	 EN 1149
DIN 32781	Protective Clothing. Protective suits against pesticides	 DIN 32781
EN 533	Protective Clothing Limited flame spread materials, material assemblies and clothing	 EN 533
EN 12941	Respiratory protective devices. Powered filtering devices incorporating a helmet or a hood	 EN 12941

* Type approvals do not necessarily apply to accessories. Always refer to the garment label and instructions for use document which will indicate the protection level offered.

** Gives no protection against radioactive radiation

*** Always ensure the garment and wearer are properly grounded

Protection From Infective Agent- EN 14126:2003

In many work situations i.e. microbiological laboratories; the infective agents can be contained and the risk of exposure limited to the occurrence of an accident. The test methods in EN 14126:2003 focus on the medium containing the micro-organism, such as liquid, aerosol or solid dust particles.

In accordance with the requirements of EN14126:2003, protective clothing should be certified as **Category III** and subjected to 5 test methods specified in the standard. The corresponding protective clothing “type” is then prefixed with the letter “B” and the biohazard symbol is displayed.



Chemical Protective Clothing in Ex-Zones



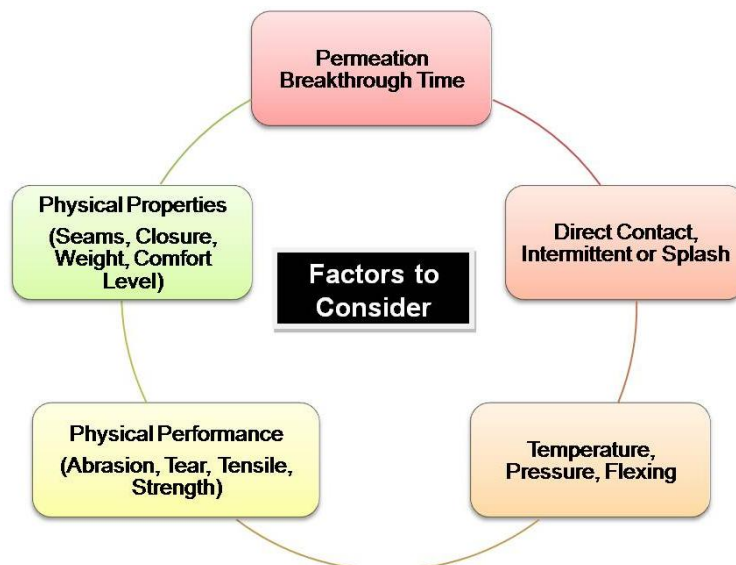
“Zoning” is an action classifying areas depending on the properties of the flammable vapours, liquids, mists, gases or combustible fibres/ dust that may be present in the environment and the likelihood that a combustible concentration of that gas or dust is present.

Having conducted tests at the Swiss Safety institute, Basel, MICROGARD® and MICROCHEM® protective clothing may be safely worn in several Ex-zones.

In order to prevent the creation of a spark, the garment and the wearer should be properly grounded. The clothes and protective suit must not be changed in Ex-Zone if the minimum ignition energy is <math><3\text{mJ}</math>. Also, MICROGARD® and MICROCHEM® should not be donned or removed in Ex-zone.

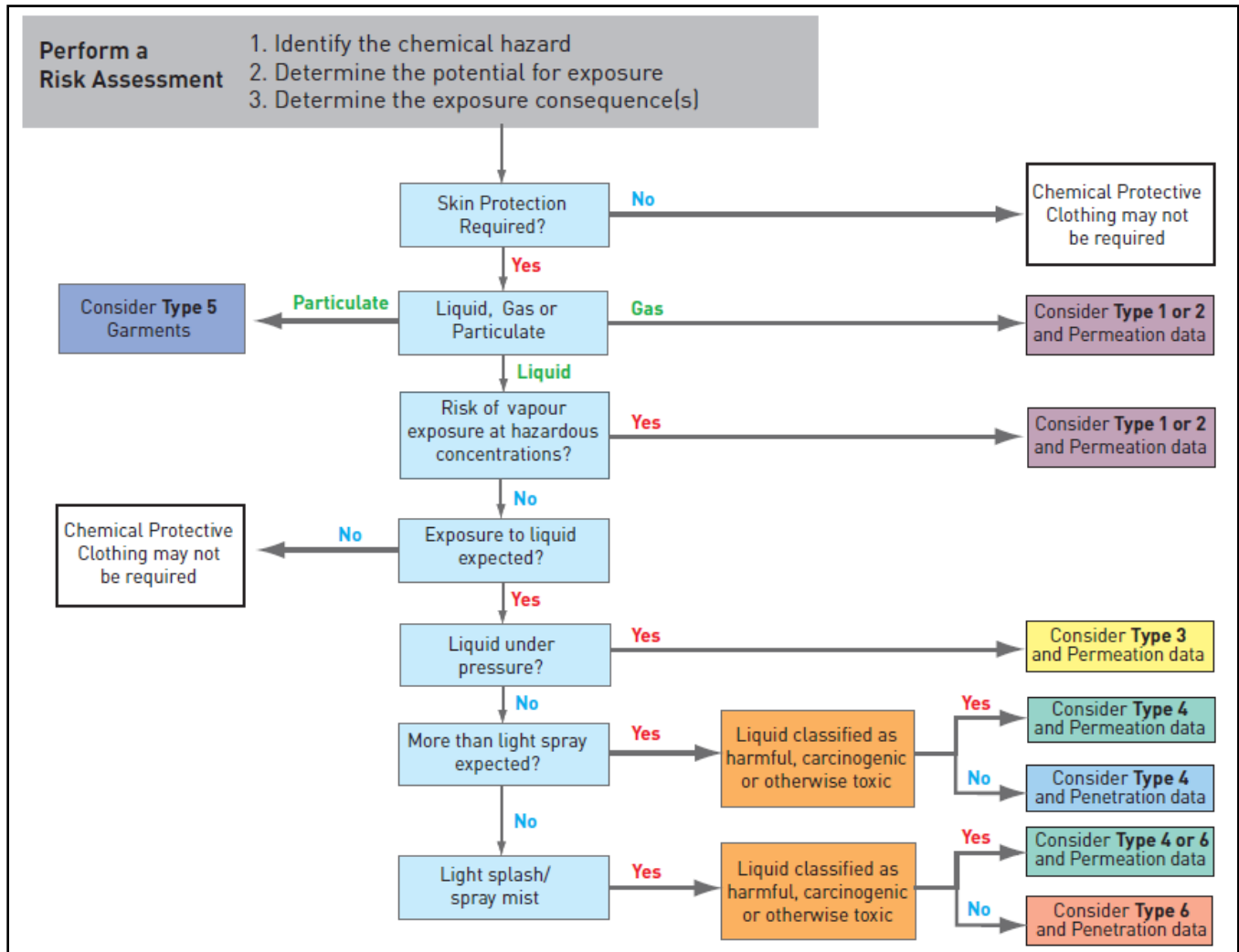
Selecting the Correct Chemical Protective Clothing

There are few factors that need to take into consideration while selecting the correct chemical protective clothing as shown in below graphic:



Graphic 1: Factors to Consider When Selecting Chemical Protective Clothing

On the other hand, Microgard® Limited has devised a flowchart as a basic tool to assist users and specifies in selecting the correct “type” of chemical protective clothing:



Flowchart: Guide to Select The Correct “Type” of Chemical Protective Clothing

Find out more about our offering on body protection products by making enquiry at info@amsales.com.my or call 603-6157 8822 **NOW!**

Source:

1. MICROGARD® High Performance Protection in Comfort Product Catalogue: Chemical Protective Clothing
2. www.migrogard.com



“The Preferred Industrial Solutions Provider”

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