

Chemgard® Application Table



| Compound | 10 PPM | 100 PPM | 1000 PPM | 1% | 10% | 100% | 100% LEL | Current Min. Detection (PPM) | TLV (PPM) |
|---------------------------|--------|---------|----------|----|-----|------|----------|------------------------------|-----------|
| ACETALDEHYDE | | | ■ | | | | | 4 | 25 |
| ACETIC ACID | | ■* | | | | | | 1 | 10 |
| ACETONE | ■* | ■ | ■ | ■ | | | ■ | 3 | 500 |
| ACETONITRILE | | | | ■ | | | | 40 | 40 |
| ACETYLENE | | | | | | | ■ | | |
| ACRYLONITRILE | | ■* | ■ | | | | | 3 | 2 |
| AMMONIA | | | ■ | ■ | | | | 4 | 25 |
| ACROLEIN | | | ■ | | | | | 3 | 0.1 |
| BENZENE | | | ■ | ■ | | | | 10 | 0.5 |
| BUTANE | | | ■ | ■ | | | ■ | 3 | 800 |
| 1,3 BUTADIENE | | | ■ | | | | | 3 | 2 |
| 1-BUTYL ACETATE | | | ■ | ■ | ■ | | | 4 | 150 |
| CARBON DIOXIDE ‡ | ■* | ■ | ■ | ■ | ■ | | | 0.04 | 5000 |
| CARBON MONOXIDE | | | ■ | ■ | ■ | ■ | | 4 | 25 |
| CARBON TETRACHLORIDE | | | ■ | | | | | 3 | 5 |
| CARBONYL SULFIDE | | | ■ | | | | | 3 | 5 |
| CHLOROFORM | | ■* | ■ | | | | | 1 | 10 |
| CHLOROTRIFLUOROETHYLENE | | | ■ | | | | | 3 | 5 |
| CYCLOPENTANE | | | ■ | | | | | 3 | 600 |
| 1,2 DICHLOROETHANE | | | ■ | | | | | 4 | 10 |
| DIETHYL ETHER | | | ■ | | | | | 3 | 400 |
| DIFLUOROMETHANE | | | ■ | | | | | 3 | |
| DIMETHYLACETAMIDE | | ■* | ■ | | | | | 2 | 10 |
| DIMETHYLAMINE | | | ■ | | | | | 4 | 5 |
| DIMETHYL ETHER | | | | ■ | | | | 4 | |
| DIMETHYL ETHYL AMINE | | | ■ | | | | | 4 | |
| DOWTHERM J | | | ■ | | | | | 5 | 10 |
| ETHANE | | | ■ | | | | ■ | 3 | |
| ETHANOL | | | ■ | ■ | | | | 3 | 1000 |
| ETHANOLAMINE | | | | ■ | | | | 20 | 3 |
| ETHYL ACETATE | | | ■ | | | | | 3 | 400 |
| ETHYL BENZENE | | | ■* | | | | | 5 | 100 |
| ETHYL CHLOROFORMATE | | | ■ | | | | | 4 | |
| ETHYLENE | | ■* | ■ | | | | ■ | 2 | |
| ETHYLENE OXIDE | | | ■ | ■ | ■ | | | 4 | 1 |
| FORMIC ACID | | ■* | | | | | | 1 | 5 |
| HALON 1211 | | | ■ | | | | | 3 | |
| HALON 1301 | | | ■ | | | | | 3 | |
| HALOTHANE | | | ■ | | | | | 3 | 50 |
| HEPTANE | | ■* | ■ | ■ | | | ■ | 1 | 400 |
| HEXAFLUOROPROPYLENE | | | ■ | | | | | 4 | |
| HEXAFLUORO 1,3, BUTADIENE | | ■* | ■ | | | | | 0.4 | |
| HEXANE | | ■* | ■ | ■ | ■ | | ■ | 1 | 60 |
| HEXENE | | | ■ | ■ | ■ | | | 50 | 30 |
| HFC 245FA | | | ■ | | | | | 3 | |
| HFE 347E | | | ■ | | | | | 3 | |
| HFE 7100 | | | ■ | | | | | 3 | 600 |
| ISCEON 89 | | | ■ | | | | | 3 | |
| ISOBUTANE | | | ■ | ■ | | | ■ | 3 | |
| ISOBUTYLENE | | | ■ | | | | | 3 | 250 |
| ISOHEXANE | | | ■ | | | | | 4 | 500 |
| ISOPAR G | | | ■ | | | | | 3 | |
| ISOPENTANE | | | ■ | ■ | ■ | | ■ | 4 | 600 |
| ISOPROPANOL | | | ■ | ■ | | | ■ | 4 | 400 |
| JP-8 (AS HEXANE) | | | ■ | ■ | | | | 4 | |
| METHANOL | | | ■ | ■ | | | ■ | 4 | 200 |

■ Acceptable application
* Not CE approved application

**Other applications and ranges are possible
‡ 20 - 50% Range available

Because every life has a purpose...

| Compound | 10 PPM | 100 PPM | 1000 PPM | 1% | 10% | 100% | 100% LEL | Current Min. Detection (PPM) | TLV (PPM) |
|--------------------------|--------|---------|----------|----|-----|------|----------|------------------------------|-----------|
| MEK | | ■* | ■ | | | | ■ | 1 | 200 |
| METHYL CHLORIDE | | | | ■ | ■ | | | 20 | 50 |
| METHYL FORMATE | | | ■ | ■ | ■ | ■ | ■ | 4 | 100 |
| METHANE | | | ■* | ■ | ■ | | | 5 | |
| METHYL AMYL KETONE | | | ■ | | | | | 4 | 50 |
| METHYL BROMIDE | | | ■ | | | | | 4 | 1 |
| METHYL FLUORIDE | | ■* | ■ | | | | | 3 | |
| METHYL IODIDE | | | ■ | | | | | 4 | 2 |
| MIBK | | | ■ | | | | | 4 | 50 |
| METHYL METHACRYLATE | | | ■ | | | | | 3 | 100 |
| METHYL MORPHOLINE | | ■* | | | | | | 1 | |
| METHYLENE CHLORIDE | | ■ | ■ | | | | | 3 | 50 |
| METHYLENE FLUORIDE | | | ■ | | | | | 4 | |
| METHYL N-PROPYL KETONE | | | ■ | | | | | 4 | 200 |
| MOGAS (AS HEXANE) | | | ■ | | | | | 4 | |
| MONOMETHYLAMINE | | | ■ | | | | | 4 | 5 |
| NITROGEN TRIFLUORIDE | | ■* | ■ | | | | | 0.4 | 10 |
| NITROUS OXIDE | | ■* | ■ | | | | | 1 | 50 |
| OCTAFLUOROBUTANE | | | ■ | | | | | 3 | |
| OCTAFLUOROPROPENE | | ■* | ■ | | | | | 0.4 | |
| PENTANE | | | ■ | ■ | | | ■ | 3 | 600 |
| PERCHLOROETHYLENE | | ■* | ■ | | | | | 1 | 25 |
| PERFLUOROHEXANE | | | ■ | | | | | 1 | |
| PF 5050 | | | ■ | | | | | 3 | |
| PHOSGENE | ■* | ■* | | | | | | 0.6 | |
| PMVE | | | ■ | | | | | 3 | |
| PROPANAL | | | ■ | | | | | 4 | |
| 2-PROPANOL | | | ■ | ■ | | ■ | ■ | 4 | 400 |
| N-PROPANOL | | | ■ | | | | | 3 | 200 |
| PROPANE | | | ■ | ■ | | | ■ | 3 | 2500 |
| PROP.GLYC.DIMETH.ACETATE | | | ■ | | | | | 4 | |
| PROPYLENE OXIDE | | | ■ | | | | | 4 | 20 |
| R1234YF | | | ■ | | | | | 3 | |
| SOLKANE 365/227 | | | ■ | ■ | | | ■ | 3 | |
| STYRENE | | | ■* | | | | | 6 | 20 |
| SULFUR HEXAFLUORIDE | | ■* | ■ | ■ | | | | 0.06 | 1000 |
| SULFURYL FLUORIDE | | ■* | | | | | | 3 | 5 |
| TETRAHYDROFURAN | | | ■ | | | | | 3 | 200 |
| TETRAFLUOROETHYLENE | | | ■ | | | | | 4 | |
| TOLUENE | | | ■ | ■ | | | | 6 | 60 |
| 1,1,1 TRICHLOROETHANE | | | ■ | | | | | 4 | 350 |
| 1,1,2 TRICHLOROETHANE | | | ■ | | | | | 4 | 10 |
| TRICHLOROETHYLENE | | ■* | ■ | ■ | | | | 0.4 | 60 |
| TRIETHYLAMINE | | | ■ | | | | | 4 | 1 |
| TRIFLUORO PROPENE | | | ■ | | | | ■ | 4 | 50 |
| VINYL ACETATE | | | ■ | | | | | 4 | 10 |
| VINYL CHLORIDE | | ■* | ■ | | | | | 1 | 1 |
| VINYL FLUORIDE | | | ■ | ■ | ■ | | | 3 | 1 |
| O-XYLENE | | | ■ | | | | | 4 | 100 |
| M-XYLENE | | | ■ | | | | | 4 | 100 |
| P-XYLENE | | | ■ | | | | | 4 | 100 |
| XYLENES | | | ■ | | | | | 3 | 100 |

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