



Organic isocyanates in air

WORKPLACE EXPOSURE

Used in spray paint for the motor vehicle repair industry.

Used in polyurethane manufacturing processes

Used in manufacture of flexible and rigid foams, fibres and coatings such as paints and varnishes.

EXPOSURE ROUTES

Inhalation of dust, fumes or mist

Skin contact with solutions or solids

AIR SAMPLING

Using treated filters* or impinger solution* to MDHS 25/4.

1 - 2 litres per minute flow rate.

Our workplace protection teams are able to attend site and carry out monitoring of isocyanates should you not hold a current Home Office licence or BOHS affiliations

ANALYSIS

Using HPLC

SAMPLING ACCURACY

MDHS 25/4 method allows the comparison of EH40 exposure limit; total isocyanate and individual monomers based on the ECD/UV ratio range of 0.6 - 1.7

EXPOSURE LIMIT

EH40 8 hour TWA 0.02 mg/m³ for isocyanate (except methyl isocyanate)

REPORTING LIMIT

0.02 ug for HDI, MDI, both TDI monomers and IPDI

SAMPLE SUBMISSION

IOM Consulting Ltd
Research Avenue North
Riccarton
Edinburgh
EH14 4AP