

Procedures for use of equipment containing R32 refrigerant

- BOC Safety data sheet R32
- HSE Dangerous substances and explosive atmospheres
- Guidelines Institute of Refrigeration (IOR)

1. BOC Safety data sheet Difluoromethane (R 32)
1.2. Relevant identified uses of the substance or mixture
Industrial and professional. Perform risk assessment prior to use.
SECTION 2: Hazards identification 2.1.
Classification of the substance or mixture
Hazardous statement H220 Extremely flammable gas
http://www.boconline.co.uk/internet.lg.lg.gbr/en/images/sg_152-r32-difluoromethane-v1.51410_39651.pdf?v=3.0
2. HSE Dangerous substances and explosive atmospheres
Dangerous Substances and Explosive Atmospheres Regulations 2002
Approved Code of Practice and guidance
<http://www.hse.gov.uk/pubns/priced/l138.pdf>

The Health and Safety Executive (HSE) document sets out the obligations for the contractor, building owner and employer and their respective duties and obligations to ensure a safe environment for employees and the public which for example necessitate the following: -

1. Risk assessment
2. Elimination or reduction of risk
3. Safety measures and emergency equipment
4. Notices and identifications
5. Procedures in the event of an incident
6. Information, instructions and training

Regulation BS EN 378:2016 compliance is also a requirement for: -

1. Calculation of allowable charge limit for conditioned space
2. Adequate ventilation for operatives and users
3. Compliance with safety and environmental standards
4. Protective safety equipment and emergency alarms

Please see document "The Flammable Future Some things you should know!" produced by HARP International
<https://www.ior.org.uk/app/images/pdf/Garcia.pdf>

Please see document "IOR BS EN378 2016 Summary of Changes Note 29" produced by Institute of Refrigeration
<https://ior.org.uk/app/images/pdf/GN29%20BSEN378%20Jan17f.pdf>

The application of the Toshiba MIRAI R32 range is unlikely to exceed the maximum charge limit for your current applications. To complement the existing range of high efficiency R410a light commercial systems, Toshiba will also introduce a new range of R32 light commercial Super Digital Inverter split systems early 2018 and it is essential that all parties involved in the application, installation and use of R32 products must be adequately trained and adopt and comply with the regulations and guidelines without exception.

For further information please contact our customer support team on 0870 843 0333, your local representative, your supplier of **TOSHIBA** products or email any enquiries to: - general.enquiries@toshiba-ac.com

