

The Asia Industrial Gases Association (AIGA) was established in year 2002 by the leading industrial gases producers operating in Asia (excluding Middle East, Japan, Australia, New Zealand and the South Pacific nations).

AIGA is a technical and safety oriented organization with the purpose of promoting safety, health, environmental awareness and security in the production, distribution and use of industrial gases.

AIGA is registered as a non-profit society based in Singapore. It aims to foster the exchange of technical information among its members in the safe handling and use of industrial, medical and carbon dioxide gases, and to have close liaison with national authorities, in order to work towards the highest level of safety and environmental care across Asian countries.

AIGA actively participates in the harmonization of standards across the gas industry on a global level with other Regional Gases Associations in Europe, Japan and the United States (EIGA, JIMGA and CGA).






Id	Publication Name	Id	Publication Name
	<u>AIGA OWN & HARMONIZED PUBLICATION</u>		
104/19	Safety Principles For Pressure Regulators For Medical Oxygen Cylinders	029/18	Code Of Practice Nitrogen Trifluoride(Harmonized Publication)
103/19	Guidelines For Safe And Hygienic Handling Of Dry Ice	028/06	Unmanned Air Gas Plant: Design & Operation (Harmonized Publication)
102/19	Safety guidelines : Prevention Of Wheel Detachment	027/06	Cryogenic Vaporisation Systems – Prevention of Brittle Fracture Of Equipment and piping (Harmonized Publication)
101/19	A Reference Guide On Cryogenic Tanker Product Conversion	026/13	Principles For The Safe Handling And Distribution Of Highly Toxic Gases And Mixtures
100/18	Hydrogen Pressure Swing Absorber (PSA) - Mechanical Integrity Requirements (Harmonized Publication)	025/13	Pressure Containers With Blocked Or Inoperable Valves
099/17	Process Safety Management Framework Guidance Document	024/10	Connections For Transportable and Static Bulk Storage Tanks
098/17	A Reference Guide For Industrial Gas Cylinder Valve Outlet Connections	023/17	Good Manufacturing Practice Guide For Medicinal Gases
097/17	Reference Guide On Medicinal Gas Cylinder Valves	022/13	Code Of Practice Acetylene(Harmonized Publication)
096/16	Code Of Practice Hydrogen Selenide H ₂ Se(Harmonized Publication)	021/12	Oxygen Pipeline And Piping Systems
095/16	Mechanical Integrity Of Syngas Outlet Systems(Harmonized Publication)	019/17	Connections For Portable Liquid Cylinders
094/17	Design, Manufacture, Installation, Operation, and Maintenance of Valves Used In LOX and Cold GOX Systems (Harmonized Publication)	018/15	Safe Handling of Electronic Specialty Gases (Harmonized Publication)
093/16	Guideline For The Location Of Occupied Buildings In Industrial Gas Plants(Harmonized Publication)	017/05	Labelling Of Gas Containers (Including Associated Equipment)
092/15	Prevention Of Tow-Away Incidents(Harmonized Publication)	016/04	Safety Features Of Portable Cryogenic Liquid Containers For Industrial And Medical Gases
091/14	Guidance For Qualifying Customers Purchasing Compressed Gases	015/15	Safe Management Of Contractors
090/14	A Reference Guide For Requalification Of Gas Cylinders	014/05	Safety Audit Guidelines

Id	Publication Name	Id	Publication Name
089/14	Reciprocating Cryogenic Pumps And Pump Installations(Harmonized Publication)	013/05	Incident/Accident Investigation And Analysis
088/14	Labelling Of Medical Gas Containers	012/04	Cleaning Of Equipment For Oxygen Service
087/14	Standard For Hydrogen Piping Systems At User Locations	011/04	Work Permit Systems
086/14	Safe Startup And Shutdown Practices For Steam Reformers(Harmonized Publication)	010/19	Management Of Change
085/13	Liquid Oxygen, Nitrogen And Argon Cryogenic Tanker Loading Systems	009/10	Safety Training Of Employees
084/13	Methodology To Establish A “Product Carbon Footprint”	008/18	Hazards of Oxygen deficient Atmospheres
083/13	Disposal Of Gases(Harmonized Publication)	007/04	Job Motivation And Safe Operations In Cylinder Filling Stations
082/13	Combustion Safety For Steam Reformer Operation(Harmonized Publication)	006/15	Good Environmental Management Practices For The Industrial Gas Industry
081/16	Safe Practices For Storage And Handling Of Nitrous Oxide(Harmonized Publication)	005/18	Fire Hazards Of Oxygen And Oxygen-Enriched Atmospheres
080/16	Safe Practices For The Production Of Nitrous Oxide From Ammonium Nitrate(Harmonized Publication)	004/13	Handling Gas Container Emergencies
079/18	Safe Design And Operation Of Cryogenic Enclosures(Harmonized Publication)	003/18	Site Security Guidelines
078/12	International Harmonization Council Work Process	014/19	<u>SAFETY BULLETIN</u> Liquid Nitrogen In Molecular Cooking
077/11	Guidelines For Handling Externally Contaminated Medical Cylinders In A Pandemic Situation	013/18	Carbon Dioxide Physiological Hazards “Not Just An Asphyxiate!”
076/13	Safe Use Of Aluminum-Structured Packing For Oxygen Distillation(Harmonized Publication)	012/18	Transportation Safety - Challenges & Improvement Strategy
075/11	Calculation Method for the Analysis and Prevention of Overpressure During Refilling Of Cryo Tanks with Rupture Disc(s) (Harmonized Publication)	011/18	Human Behavior Within Transport Operations
074/11	Safe Handling Of Liquid Carbon Dioxide Containers That Have Lost Pressure(Harmonized Publication)	010/17	Prevention Of Accidents Due To Overheated Or Burning Tyre
073/13	Tap Water Corrosion Of Composites With Aa 6061 Liners(Harmonized Publication)	008/17	In-Cab Camera And How Does It Help To Improve Road Safety
072/11	Guidelines For Transport By Sea Of Multiple Element Gas Containers(MEGCS) and Portable Tanks For Transport Of Gases(Harmonized Publication)	007/11	Safety At Customer Sites
071/13	Centrifugal Compressors For Oxygen Service(Harmonized Publication)	006/10	Safe Handling Of Compressed Gases In The Laboratory and Plant
070/14	Leak Detection Fluids Cylinder Packages(Harmonized Publication)	005/10	Recent Cases Of Asphyxiation In Confined Spaces In Asia
069/10	Recommendations For Safe Filling Of Co2 Cylinders And Bundles	004/16	Potential Hazards Of Quick Release Cylinder Valves Used With Firefighting Gases

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068/10	Carbon Dioxide(Harmonized Publication)	003/06	Safe Operation Of Fork Lift Trucks
067/17	Safe Location of Oxygen And Inert Gas Vents(Harmonized Publication)	002/09	Influenza Pandemic Preparedness
066/18	Selection of Personal Protective Equipment(Harmonized Publication)	001/05	Safe Use Of Acetylene
065/13	Avoidance of Failure of CO And Of CO/CO2 Mixtures Cylinders(Harmonized Publication)	007/19	<u>SAFETY POSTER</u> Process Safety
063/16	Use Of Residual Pressure Valves	006/19	Safe Handling Of Cylinders
062/09	Methods To Avoid And Detect Internal Gas Cylinder Corrosion(Harmonized Publication)	005/17	Asphyxiation
061/13	Safe Use Of Gas Cylinders In Marine Service	004/17	Driver Distraction Due to Mobile Phone Use, Series 2.0
060/17	Safe Installation And Operation Of PSA and Membrane Oxygen And Nitrogen Generators(Harmonized Publication)	003/17	Driver Distraction Due to Mobile Phone Use
059/17	Use Of Non-Metallic Materials In High Pressure Oxygen Breathing Gas Applications(Harmonized Publication)	002/15	Driver Fatigue, Series 2.0
058/13	Safe Preparation of Compressed Oxidant-Fuel Gas Mixtures In Cylinders(Harmonized Publication)	001/15	Driver Fatigue
057/18	Safe Use of Brazed Al Heat Exchangers For Producing Pressurized Oxygen (Harmonized Publication)	005/PP	<u>POSITION PAPER</u> Long-term Durability of Steel Gas Cylinder
056/14	Safe Practices Guide For Cryogenic Air Separation Plants(Harmonized Publication)	004/PP	Trans filling of Medical Gas Cylinders
055/14	Installation Guide For Stationary Electric-Motor Driven Centrifugal Liquid Oxygen Pumps(Harmonized Publication)	003/PP	Tapered And Parallel (Straight) Threads In Aluminum Alloy Cylinders
054/08	Prevention Of Excessive Pressure During Filling of Cryogenic Vessels(Harmonized Publication)	002/PP	Memorandum of Understanding Gas Cylinder Ownership And Responsibility In Asian Countries
053/19	Code Of Practice Compressed Fluorine And Mixtures With Inert Gases(Harmonized Publication)	001/PP	Good Manufacturing Practice Guide For Medicinal Gases
052/16	Storage And Handling Of Silane And Silane Mixtures(Harmonized Publication)	024/19	<u>TRAINING PACKAGE</u> Recent (2018) Accidents / Incidents In The Gases Industry In Asia
051/08	Code Of Practice Phosphine(Harmonized Publication)	023/18	Recent (2017) Accidents / Incidents In The Gases Industry In Asia
050/08	Code of Practice Arsine(Harmonized Publication)	022/17	Recent (2016) Accidents / Incidents In The Gases Industry In Asia
049/17	Guideline To Medical Oxygen Supply System For Healthcare Facilities	021/16	Safe Filling Of Open Top Safe Filling Of Open Top Dewar's And Flasks From Cryogenic
048/18	Reciprocating Compressors For Oxygen Service(Harmonized Publication)	020/16	Safe Visits To Customer Site For Occasional Visitors From Industrial Gas Companies
047/16	The Safe Preparation Of Gas Mixtures(Harmonized Publication)	019/16	Recent (2015) Incidents In The Gases Industry In Asia

Id	Publication Name	Id	Publication Name
046/08	Periodic Inspection Of Static Cryogenic Vessels	018/15	Vehicle Rollover Prevention
045/07	Gaseous Hydrogen Stations	016/15	Driver Fatigue Management
044/07	Flexible Connections In High Pressure Gas Systems	015/15	Pre-Fill Inspection Of Gas Cylinders
043/07	Transport Security Guidelines	014/15	Recent (Recent (2014) Incidents In The Gases Industry In The Gases Industry In Asia
042/16	Work Injury & Product Vehicle Accident Statistics	013/13	Recent Incidents In The Gases Industry In Asia
041/06	Defensive Driving	012/12	Recent Incidents in the Gases Industry in the Gases Industry in Asia in Asia
040/06	Good Practices Guide For Loading And Unloading Of Cryogenic Liquid Tankers	011/12	Safe use and handling of Safe use and handling of portable liquid cylinders (PLCs)
039/16	Road Transport/Product Delivery Emergency Preparedness	010/12	Safe Driving in Bad Weather Conditions
038/06	Vertical Cylinder Handling And Transportation	009/12	Recent Incidents in the Gases Industry in the Gases Industry in Asia in Asia
037/16	Permissible Charge/Filling Conditions For Acetylene Cylinders, Bundles, & Battery Vehicles	008/11	Recent Incidents In The Gases Industry In The Gases Industry In Asia In Asia
036/16	Guidelines For The Management Of Waste Acetylene Cylinders	007/11	Near Misses Specialty Gases
035/13	Safe Operation of Reboilers/Condensers In Air Separation Units(Harmonized Publication)	006/06	Work Permit System
034/06	Carbon Monoxide And Syngas Pipeline Systems(Harmonized Publication)	005/05	Prevention of Over – Pressurization
033/14	Hydrogen Pipeline Systems(Harmonized Publication)	004/05	Slips, Trips And Falls
032/19	Perlite Management(Harmonized Publication)	003/05	Safe Storage, Handling & Use Of Compressed ases
031/13	Bulk Liquid O2, N2 and Argon Storage Systems at Production Sites(Harmonized publication)	002/05	Fire Hazards Of Oxygen And Oxygen Enriched Atmospheres
030/13	Storage of Cryogenic Air Gases At Users' Premises	001/04	Oxygen Deficiency

*Description of color coding in the table

	AIGA Own and Harmonized		Safety Poster		Training Package
	Safety Bulletin		Position Paper		



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