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CYANIDE, Airborne Contaminant, Exposure limit

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- Side-boom Cranes
- Portable Compressors
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**Notes:**
- See EXPLOSIVES for information on explosives used for various purposes such as logging roads and bridge construction.
- See MOTOR VEHICLES for regulations related to motor vehicles, including pipelines, operating internal combustion engines, and confined space requirements.
- For specific sections related to high visibility safety apparel for flaggers and traffic control, see CSO, §1599 and CSO, §1598 respectively.
- HIGH WIND CONDITIONS regulations can be found in TelSO, §8602(i).
- HISTOTOMES, HITCHES & KNOTS, and HIV regulations are cross-referenced to respective sections in GISO, MSO, LSSO, and TSO.

**Abbreviations:**
- LSSO: Large Scale Surface Operations
- CSO: Commonwealth of Massachusetts Occupational Safety and Health Act
- MSO: Massachusetts Mining Safety Act
- TSO: United States Bureau of Reclamation
- TelSO: The Essential Safety Officer
- GISO: The General Industry Standards of Occupational Safety and Health Act
- MSO: Michigan Mining Safety Act
- TSO: United States Bureau of Reclamation
- TelSO: The Essential Safety Officer
- GISO: The General Industry Standards of Occupational Safety and Health Act
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Repair of

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Illumination during Nighttime Work
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LOOMS, Shuttles
LOOSE MATERIALS, Bulk Storage of
LOWER EXPLOSIVE LIMIT, of Flammable Vapors
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LPG CYLINDER
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LUBRICANTS, Storage & Handling, per MSO
LUBRICATION OF EQUIPMENT, Logging
Lubritoriums
LUMBER
Defined
Substandard, Utilized
LUMBER & Similar Materials, Piles / Stacks, stabilizing

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MACHINERY AND EQUIPMENT
Anticipated Loads  
Engineering Principals  
Environmental Conditions  
Manufacturers Recommendations  

**MACHINERY GUARDING, Points of Operations Tools**

- Definition  
- Foot-Operated Devices  
- Jewelry Wearing prohibited  
- Machine Guarding  
- Maintenance of Tools & Guards  
- Microtomes, Guarding Requirement Exception  
- Rolls, Guarding of  

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- Anchoring  
- Blocking For Repair  
- Cleaning  
- Control of Hazardous Energy, due to Breakage/Loosening/Falling Parts/Components  
- Controls, Process Machines  
- Covered, to Minimize Hazard from Breakage/Loosening/Falling Parts/Components  
- Damaged, Broken  
- Damage Prevention, to Minimize Hazard  
- De-Energizing  
- Defective Parts, Prohibited Use  
- Design  
- Designed to Minimize Hazard from Breakage/Loosening/Falling Parts/Components  
- Employers Responsibility, Safe Condition of  
- Energy control procedures  
- Guarded, to ensure worker safety  
- Guarding Moving Parts of  
- Inspection & Maintained  
- Intended Use, Only used for  
- Jewelry Wearing prohibited  
- Lockout or Tag-out  
- Location, Safe  
- Lighting of  
- Oiling & Maintenance, Access through Opening in Guarding  
- Maintenance of  
- Manufacturer's Recommendations  
- Modifications  
- Power Control  
- Process Machine Power Control  
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- Safe Condition  

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GISO, §3328(f)  
GISO, §4001  
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Safely Operated
Secure, to Minimize Hazard from Breakage/Loosening/Falling Parts/Components
Exception, Per Manufacturer's Recommendations
Unsafe Equipment Use Prohibited

MACHINE TOOLS, Maintained

MAGNESIUM, Combustible Metal

MAGNESIUM OXIDE, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits

MAGNESIUM STEARATE, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits

MALATHION (MLT)
Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits

MALEIC ANHYDRIDE, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits

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Cranes
Electrical Cords & Cables, Maintenance of Outer Sheath
Electrical Equipment & Installations, Low Voltage
Electrical Equipment & Installations, High Voltage
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Also EYEWASH
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Fire Alarm Systems
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Fire Protection Equipment, Materials, Maintenance of
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Gas Compressors & Gas Plant Requirements
Pre-Maintenance Procedure, locking / Blocking
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Hoisting Equipment & Cranes
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Oil & Gas Refinery Sites, Process Equipment Maintenance
Oil & Gas Well Sites,
Exhaust System Maintenance
Derricks & Masts Maintenance
Power Operated Presses
Pressure Vessels & Boilers subject to PSO-D&P
Pumping Machinery & Equipment Maintenance
Ship Yard Standards, Enclosed Space Entry, per SSO
Tanks & Reservoirs, Maintenance
Tree Maintenance or Removal
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MAINTENANCE OF EQUIPMENT, Logging

MANBASKET, Crane or Derrick Suspended Personnel Platform, per GISO

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Free Fall Prohibition
Instrument & Component Requirements
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Scope and Application of §5004
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MANBASKET, Crane or Derrick Suspended Personnel Platform, per TSO

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Crane Use, General Requirements
Cranes Used in Shaft Under Construction
Work Platforms, Used as

MANGANESE, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits

MANGANESE COMPOUNDS, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits

MANGANESE CYCLOPENTADIENYL TRICARBONYL, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits

MANGANESE TETROXIDE, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits

MANHOLE COVERS, per CSO

MANHOLE COVERS, per GISO

MANHOLES, per ESO-HV

Underground High-Voltage Cables, Conductors or Equipment
Work in Manholes, Vaults, & Similar Structures
Confined Space Regulations, Mandated

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Dimensions
MANHOLES & FLOOR OPENINGS, safety

MANHOLES & STREET OPENINGS, per TelSO
- Entering Procedure
- Flames, Open, in Man Holes
- Guarding
- Joint Power & Tele-com Man Holes
- First Aid Training
- Attendant Duties

Man Hole Platform

MANIFOLDS, Gas Welding Cylinders to Headers, General Industry
- Fuel Gas Manifolds
- Hose
- Liquid Oxygen
- Manifolds, General Requirements
- Oxygen Manifolds
- Pressure Regulating
- Manifolds & Hose Connection Requirements, Shipyard Operations

MANIFOLD, Gas Welding Hose & Connections, Construction Operations
- Definition of

MANIFEST, Gas Welding Hose & Connections, Shipyard Operations

MAN-LIFTS
See also ELEVATORS
- Construction Operations
- Endless Belt-type Man-lifts, Prohibited
- Orchard Man-Lifts

MANUAL FEED, Ripsaws, Circular

MANUALS
- Diving Safety, Employer Developed
- Content of Manual
- Manufacturers Recommendations
- Powder-actuated tools, Instruction manual
- Storage in Tool Container

MANUFACTURED PROTECTIVE COVERS, Rebar Covers

MANUFACTURERS RECOMMENDATIONS

MANUFACTURING of EXPLOSIVES

MANURE SUMP or PIT

MANWAYS, STAIRWAYS & RUNWAYS, per MSO

MAPS, Mine Emergency plans

MARIA TE, Airborne Contaminant, Exposure limit
- Listed, Permissible Exposure Limits

MARINE SERVICE STATIONS
- Application & Scope
- Attendance or Supervision of Dispensing

See also EXPO SIVES, Manufacturing Operations of Explosive Materials

See CONFINED SPACE

See also FLAMMABLE LIQUIDS, GASES & VAPORS
Containers & Tanks, Portable
Dispensing into Portable Containers
Dispensing, Attendance or Supervision of
Dispensing into Portable Containers
Drainage & Waste Disposal
Electrical Equipment
Emergency Power Cutoff
Enclosures, Special
Fire Control
Fuel Delivery Nozzles
Fuel Dispensing System
Fuel Dispensing Unit
Heating Equipment
Ignition, Sources of
Motor Fuel Dispensing, Hazardous Locations (Classified)
Motor Fuel Dispensing, Hazardous Locations
Nozzles, Fuel Delivery
Piping, Valves and Fittings
Portable Containers, Dispensing into
Power Cutoff, Emergency
Pumping Systems, Remote
Service pits, Guarding of
Sources of Ignition
Storage of, Flammable Gasses, Liquids, Vapor
Containers & Tanks
Enclosures, Special
Inside Buildings
Supervision of Dispensing
Tanks & Containers, Storage
Dispensing into Portable Containers
Water, Drainage Disposal
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Access, Safe
Accident Prevention, Cargo Handling Operations
Apron, Grab lines or rails
Asbestos
Atmosphere, Hazardous
Control Access to
Immediately dangerous to life
Bales, Hoisting of
Barges, Moving of
Booms, & Cargo Cranes, Vessel Mounted
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GISO, §3461(d)
Bridles, Hooks, Slings & Fittings

Bulkhead

Carbon Monoxide

Cargo

Bulk Cargo handling devices, Examination of

Hazardous Cargo

Damaged Packaging / Containers Repair

Cargo Container/ Packaging, Damaged, Repair of

Certification of Shore Based Material Handling Devices

Chutes, Gravity Conveyors, Rollers

Communication, Interference with

Confined Space Entry, Control Access to

Containers, Shipping

Vertical Tandem Lifts of

Conveyors, Gravity

Covers, Safe Stowing & Storage, Stable Piles

Cranes & Other Hoisting Equipment

Certification of

Damaged Cargo Container/ Packaging, Repair of

Definitions

Docks

Drafts Safely Slung, Prerequisite to Hoisting

Dunnage, Loose

Dust, unsafe concentrations

Employees, Riding on Loads / Load Hoisting Equipment

Explosives / Hazardous Cargo

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OVER-CURRENT PROTECTION, Electrical

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**PAINTING EQUIPMENT**

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SAFETY CAPS, Protective Rebar Covers
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SAFETY COMMITTEE

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Industrial trucks
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MSO, §6973(d)

CSO, §1670(b)
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See ELEVATORS

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SAFETY PRACTICES, Miscellaneous, per PSO-R,T&H
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  Combustion Chambers, Entering of
  Flarebacks pursuant to §3311, GISO
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GISO, §5192, Appx C

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CSO, §1938, Appx A

SAFETY PROGRAM, Injury & Illness Prevention Program

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Compliance, A System of

Correcting / Remediating Hazard Conditions

Inspections to Identify Work Place Hazards

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Work Place Hazards, Identifying

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SAFETY REPRESENTATIVES, Certification of

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GISO, §3385

SAFETY SWITCHES, Constant Pressure Switch, A.K.A. Momentary Contact Device

Portable Power Drives, Post Hole Digger, Pipe Threader /Cutter

Portable Tools

SAFETY SURVEY, by Employer Prior to Employee Presence

CSO, §1511(b)

SAFETY TRAINING, Amusement Rides, Permanent, Safety, per PARSO

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PARSO, §3195.7

SAFETY TRAINING, General Safety Training, per CSO

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When first Hired

When Operating Machinery / Equipment

When subject to Known Hazard

CSO, §1510(c)

CSO, §1510

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SAFETY TRAINING, per ESO

Regarding Inspecting, Testing of Safety devices, tools, & equipment

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ESO-HV, §2940(b)

ESO-HV, §2940(e)

SAFETY TRAINING, per GISO

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Avalanche, Snow, Blasting Operations

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GISO, §4086

GISO, §3557(a), (b)

GISO, §3203(a)(3)

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GISO, §3203(a)

GISO, §4799

CSO, §1529(k)(9)

GISO, §5350

GISO, §5193(g)(2)

GISO, §5193(g)(5)

GISO, §3286(a)(2)
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Coke Oven Emissions, Training
Confined Spaces, Permit Required
Confined Space, not Permit Required
Cotton Dust
Diving Operations, Training / Experience of
Emergency Action Plan
Emergency Response, Hazardous Material Release
   Refresher Training
   Trainers Training
   Training of Responders
Erection of Structural Steel
Explosives
   Blasters Training
   Manufacturing & Processing Employees
Fire Extinguishers, Use of
First Aid / CPR Training, General
Agricultural Operations
Forklift, General Training Requirements
   Certification of Training
   Duplicative Training, Avoidance of
   Evaluation of Competency
   Operating Rules when Elevating Employees, Instructions of
   Operating of Trucks by Trainee
   Training Program Content
   Refresher Training & Evaluation
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Grain Handling Operations
Hazard Communication (Hazcom) Program
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   Asbestos
   Benzene
   Cotton Dust
   Dichloromethane, Methylene Chloride (MC)
   Ethylene Dibromide (EDB)
   Formaldehyde
   Lead
   Methylene Chloride
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Laboratory, Exposure to Hazardous Chemicals
Lead
Mine Safety, per MSO
  First-Aid at Mining Operations
  Surface Operations
  Underground Mining
Noise Exposure, Control of
Oxygen & Fuel Gas System Operators
Powered Platforms, Building Maintenance
Power Operated Press
Process Safety Management
Process Safety Management (PSM), Petroleum Refineries
Pulp, Paper, & Cardboard Mill Operations
Refinery Operations, Workers
Respirators, Respiratory Protection
Respirator Protection Program, Element of
Tractor Operation
Tree Work, Maintenance & Removal
Welding, Oxygen & Fuel Gas System Operators
Wells, Oil & Gas Production Workers
Safety Training, per MSO
  Pre-training Assessment of Skill / Knowledge
  First-Aid Training
  Rescue Procedures
  Surface Operations, Trained Individuals
  Training Provider Requirements
  Underground Mining, Trained Individuals
Safety Training, Passenger Tramway Safety, per PTSO
  Program Requirements
  Submittal to Cal/OSHA
Safety Training, Ship Building, Repairing & Breaking, per SSO
  Asbestos
  Chromium (VI)
Safety Training, per Te(IS)O
  Animals, Encounters
  Certification by Employer
  Emergency Situations
  First Aid & CPR
  High Voltage, Testing /Cable Fault Location

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Informing / Warning Before Testing

Job Assignments, related to

Plants, Harmful
Substances, Harmful
Insect Bites
Record

Safe Practices & Precautions
Testing & Cable Fault Location Operations
Traffic Control & Work Area Protection
Work Area Protection & Traffic Control

SAFETY TRAINING, & Instruction, per TSO

First aid

SAFETY VEST, HIGH VISIBILITY SAFETY APPAREL

Excavations, Employees exposed to Vehicle Traffic
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Traffic Control

Employees exposed to Vehicle Traffic

SALT BATHS, MOLTEN

GISO, §5188

SALVAGE, Pressure Vessels

GISO, §3306

SAND, Gravel & Similar Material, Excavations of

GISO, §3306

SAND BLASTING, Abrasive Blasting
Automatic systems required for Organic Abrasives
Enclosures, Blast-Cleaning
Nozzle, Manual Valve
Nozzle Support, when unused
Organic Abrasives, combustible
Personal Protective Equipment

GISO, §5151(b)
GISO, §5151(c)
GISO, §3301(d)
GISO, §3301(d)
GISO, §5151(c)
GISO, §3301(c)

Protective Equipment

Ventilation & Personal Protection

Abrasives, Organic
Enclosures, Blast-Cleaning
Personal Protective Equipment

GISO, §5151
GISO, §5151(c)
GISO, §5151(a)
GISO, §5151(b)
GISO, §5151(b)

SANDERS, Woodworking
Belt Sanders (Class B)
Disc Sanders
Drum Sander
Elbow Sanders

GISO, §4312
GISO, §4313
GISO, §4314
GISO, §4315

Electrical Grounding of, Cord- & Plug-connected

GISO-LV, §2395.45(A)

SANDERS, Veneer and plywood Plants

LSSO, §6387

SANITARY, Work Space

GISO, §3362(a)

SANITATION, of Personal Safety Devices

CSO, §1938, Appx B, Plate B-1
CSO, §1519
SANITATION, FIELD, Agricultural Operations

SANITATION REQUIREMENTS

SANITATION REQUIREMENTS, per MSO

SANITATION REQUIREMENTS, per SSO

Accessible Sanitary Facility
Age, Minimum Age of Employees
Break, Eating & Drinking Areas
Changing Rooms
Control of Contaminants, Waste, Drainage
Drinking Water (Potable)
Eating, Drinking & Break Areas
Fire Fighting, Non-Potable Water, Use of
Hand Washing Facilities
Maintaining, Servicing & Supplying of the Sanitary Facility
Non-Potable Water, Use of
Potable Water Provided per GISO, §3363
Sanitation Facilities
Shower Facilities
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Waste Disposal
Water

SANTOBRITE, Airborne Contaminant, Exposure limit

Listed, Permissible Exposure Limits
SAR (Supplied Air Respirator), Definition
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  Selection of
  Use of

SARIN
  Process safety management

SAW HORSE, Used as Scaffolds, Work Platform Supports
  Illustration

SAWMILL OPERATIONS
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  Barkers
  Carriages
  Chip Bins
  Circular Head Saw
  Circular Saw Cracks, Inspection For
  Conveyors, Sawmill
  Log Conveyors
  Decks
  Deck saws, at Sawmills
  Dry Kilns
  Edgers
  Fuel Houses, Chip Bins & Hoppers
  Gang Saw
  Guarding Head Rigs
  Hog Mills
  Hoppers
  Live Rolls & Roll Cases
  Log Hauls
  Plywood Plants
    See PLANT, Veneer & Plywood Plants
  Saws
    Guarding Head Saws
    Jump Saws
    Overhead Swing Saws
    Sawyer
    Slasher Saws
    Underhung Swing Saws
  Shingle, Lath & Shake Milling Equipment
    Bolter & Equalizer Saws
    Bolters & Lath Machine
    Circular Shake Saws
    Equalizer Saws
    Hansen Saws
    Knee Bolter Saws

GISO, §5144(b)
GISO, §5144(i)
GISO, §5144(d)(2)
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**SINGLE-USE DRINKING CUPS**

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Slings-use, care, maintenance

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Single leg slings, plow steel grade rope w/independent wire rope core
Single leg slings, cable laid rope, mechanical splice only
Single leg slings, braided rope
2-leg and 3-leg bridle slings, plow steel grade rope w/fiber core
2-leg and 3-leg bridle slings, plow steel grade rope w/wire rope core
2-leg and 3-leg bridle slings, cable laid rope, mechanical splice only
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Ammunition, Small Arms
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SODIUM BISULFITE, Airborne Contaminant, Exposure limit
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SODIUM METABISULFITE, Airborne Contaminant, Exposure limit
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**SPACE, Confined Space Entry, per PSO-D&P**

**SPACE, Confined Space Entry, per PSO-R, T&H**

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**SPACE HEATERS, LP-Gas Fired**

**SPARK ARRESTERS**

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Boatswain’s Chairs, Manual, not to exceed 75’, w/ exception

Controlled Descent Apparatus (CDA), not to exceed, 130’, w/ exception

Outrigger Beams, not deployed on Buildings 130’ high, w/ exception

Roof Tie-Backs required with 3 Story or 36’ & 4 story or 48’ Specified

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Building Height triggers

Boatswain’s Chairs, Manual, not to exceed 75’, w/ exception

Controlled Descent Apparatus (CDA), not to exceed, 130’, w/ exception

Outrigger Beams, not deployed on Buildings 130’ high, w/ exception

Roof Tie-Backs required with 3 Story or 36’ & 4 story or 48’ Specified

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Permanent Rooftop Installations

Required on buildings exceeding 130 feet in height

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**XYLENE DIAMINE**, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits

**XYLIDINE**, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits

**YARD SURFACE OPENINGS**, Guarding of

**YARDING**, Swinging & Loading
Hooks
Landings Areas
Landings & Loading Areas
Loading Areas
Log Decks (Wood & Millyards)
Logs decked below the road
Straps
Tongs, Hooks & Straps
Yarding & Swinging

**YARN MANUFACTURING OPERATIONS**, Exposure to Cotton dust

**YTRIUM COMPOUNDS**, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits

List of Acronyms
ZINC CHLORIDE FUME, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits
GISO, §5155, & Appx A
GISO, §5155, Table AC-1

ZINC CHROMATE, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits
GISO, §5155, & Appx A
GISO, §5155, Table AC-1

ZINC CHROMATE HYDROXIDE, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits
GISO, §5155, & Appx A
GISO, §5155, Table AC-1

ZINC OXIDE FUME, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits
GISO, §5155, & Appx A
GISO, §5155, Table AC-1

ZINC POTASSIUM CHROMATE, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits
GISO, §5155, & Appx A
GISO, §5155, Table AC-1

ZINC STEARATE, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits
GISO, §5155, & Appx A
GISO, §5155, Table AC-1

ZINC YELLOW, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits
GISO, §5155, & Appx A
GISO, §5155, Table AC-1

ZIRCONIUM, Combustible Metals
GISO, §5175
ZIRCONIUM COMPOUNDS, Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits
GISO, §5155, & Appx A
GISO, §5155, Table AC-1

ZOALENE (Dinitolmide)
Airborne Contaminant, Exposure limit
Listed, Permissible Exposure Limits
GISO, §5155, & Appx A
GISO, §5155, Table AC-1

ZOONOTIC DISEASES, AEROSOL TRANSMISSIBLE
Application, Scope & Definitions
GISO, §5199.1
ATP (Aerosol transmissible pathogen)
GISO, §5199.1(a)
Disease control procedures
GISO, §5199.1(a)(4)
Work Operations involving ATP infected Animal
GISO, §5199.1(d)
Wildlife, Exposure to potentially infectious wildlife
GISO, §5199.1(b)
Quarantine order, Operations, due to an ATP infection
GISO, §5199.1(a)(3)
Employee Safeguards, at no cost to employee
GISO, §5199.1(c)
Medical Services
GISO, §5199.1(d)(8)
Exams, Evaluations
GISO, §5199.1(d)(8)(A), (B), (C), (E)
Vaccinations
GISO, §5199.1(d)(8)(D)
Record keeping
GISO, §5199.1(e)
Respiratory Protection
GISO, §5199.1(d)(4)
Quarantine order, due to an ATP infection, during Operations Involving
GISO, §5199.1(d)(4)(1)
Toxic or Asphyxiant Gases, protection per GISO, §5144(g)
GISO, §5199.1(d)(4)(2)(C)
Wildlife, Exposures, Use of N95 Respirator or Better
GISO, §5199.1(d)(4)(2)(C)
Work Operations involving ATP infected Animal
GISO, §5199.1(d)(4)(3)
Written Procedure
GISO, §5199.1(d)(4)(4)
Training
GISO, §5199.1(d)(9)
Quarantine order, due to an ATP infection, Disease control procedures GISO, §5199.1(c)
Vaccinations, Medical Services GISO, §5199.1(d)(8)
Wildlife, Exposure to potentially infectious wildlife GISO, §5199.1(b)