

Safe Work Instruction

Safe Handling and Storage of Diesel

Issue date: 27/07/09

Review date: 27/07/12

| | | | |
|---|---|---------------------------------------|-------------------------------------|
| Document no. SMS-06-SW-0194 | Job title/description Storage and handling of diesel | | |
| | References OHS Regulation 2001 – Chapter 6 and 6A WorkCover Code of Practice for Storage and handling of dangerous goods 2005 WorkCover Code of Practice for Control of workplace hazardous substances 1996 AS1940 – 2004 The storage and handling of flammable and combustible liquids | | |
| Responsible supervisor <i>Insert name in BLOCK letters</i> | PPE and precautions <ul style="list-style-type: none"> Safety goggles or safety glasses with side shields Impervious rubber or PVC gloves | Competencies or qualifications | Licences or permits required |
| Tools and equipment required Inert absorbent material for spillage control; powder or foam fire extinguishers | | | |
| APPLIES TO MINOR QUANTITIES ONLY - ADDITIONAL STORAGE CONTROLS MAY BE REQUIRED FOR LARGER QUANTITIES (REFER TO TABLE BELOW FOR DEFINITION OF MINOR STORAGE). REFER TO AS1940 OR CONSULT WITH A DANGEROUS GOODS SPECIALIST FOR MORE INFORMATION ON REQUIREMENTS OVER MINOR QUANTITIES. | | | |
| General | <ul style="list-style-type: none"> Diesel is classified as a C1 combustible liquid. All personnel using/handling diesel are to be trained in this SWI Eye wash and showers should be available for emergency situations | | |
| Storage (minor quantities) | <ul style="list-style-type: none"> Where there are a number of different minor flammable or combustible storage areas (excluding cabinets with capacity less than 250L) they are to be separated from each other by 20m (indoor) or 15m (outdoor). Diesel storage and handling locations are to be well ventilated and away from ignition sources, oxidising agents, foodstuffs and clothing All storage tanks are to have a "Combustible Liquid" sign fitted in a clearly visible location Containers are to be closed when not in use In areas where 1000litres of diesel are stored the following items are to be provided: <ul style="list-style-type: none"> a warning sign saying "DANGER – FLAMMABLE LIQUID – NO SMOKING – KEEP AWAY" in a clearly visible location a portable fire extinguisher (ie a powder type extinguisher having a rating of at least 2A 60B(E), or a foam extinguisher having a rating of at least 2A 20B). Cutting, puncturing or welding on or near containers is not permitted as empty containers may contain hazardous residues where quantities exceed 1000L, place "HAZCHEM" placards at entries to the site | | |
| Controlling exposure | <ul style="list-style-type: none"> Where there is potential for exposure to diesel vapours or fumes, airborne concentration levels are to be maintained below 5mg/m³ (TWA) by the use of: <ul style="list-style-type: none"> mechanical ventilation, or where not reasonably practicable to do this respiratory protective equipment with a replaceable organic vapour filter To prevent contact with skin, persons handling diesel are to wear the following PPE: <ul style="list-style-type: none"> safety goggles or glasses with side shields impervious PVC or rubber gloves Contaminated clothing is to be changed as soon possible and laundered before use Internally contaminated gloves and boots are to be disposed of immediately Persons handling diesel are to maintain high levels of personal hygiene, including washing hands before and after eating, drinking, smoking or using the toilet. | | |

Safe Work Instruction

Safe Handling and Storage of Diesel

Issue date: 27/07/09

Review date: 27/07/12

| | | |
|---------------------------------|---|---|
| Spills and leaks | In the event of a diesel spill or leak, and if safe to so, comply with this procedure: <ul style="list-style-type: none"> • isolate all sources of ignition • stop leak, if safe to do so • increase ventilation • wear appropriate breathing apparatus (ie approved respirator with replaceable organic vapour filter) and full protective clothing to minimise skin and eye exposure • attempt to contain the spill (ie using inert, non-combustible absorbent material such as vermiculite, sand or earth) • do not dilute material or allow product to enter drain, sewers or water courses • collect disposal material using clean non-sparking tools and place into a suitable labelled container for disposal | |
| Disposal | <ul style="list-style-type: none"> • Follow local authority guidelines for disposal of the waste • DO NOT treat contaminated containers as household waste • DO NOT remove labels from empty containers until they are cleaned of diesel residue | |
| Minor storage definition | Minor storage is defined as the following: | |
| | Type of premises | Quantity |
| | Commercial buildings (indoors) | <ul style="list-style-type: none"> • 500L per 50m² of floor space, or • 500L for any tenancy less than 50m² |
| | Factories and workshops (indoors) | <ul style="list-style-type: none"> • 4L per 1m² or • less than 2000L in any 500m² area |
| | Commercial buildings, factories, workshops (outdoors) in attached outhouses or sheds separated by a fire rated partition | 2500L |
| | Commercial buildings, factories, workshops (outdoors) outside, or in a detached shed or outhouse separated from the factory, etc by at least 1m | 5000L |
| | Open land (above ground and underground) | 10,000L |
| Construction sites 10,000L | | |
| Additional controls | | |