



Data Sign-PTL Set Manufacturer (OEM) Plant Risk Assessment

This risk assessment document is provided by Data Signs as the manufacturer of this plant equipment. Data Signs recommends that our customers complete their own risk assessment for plant operation as part of their operating procedures.

Purpose for which the Data Sign-PTL is designed

The Data Sign-PTL's are trailer-mounted Portable Traffic Lights typically used in a traffic management application. For road usage, they are typically three-colour portable signal systems for use where temporary control of vehicular traffic is required, such as at road or bridge works. They provide for two main forms of control, viz. shuttle control and plant-crossing control.

The Data Sign-PTL'S are manufactured by Data Signs Pty Ltd in our Queensland assembly plant. Attention is drawn to the fact that the use of portable traffic signals is subject to regulation by traffic control authorities. Guidance on their use is provided in AS 1742.3, *Manual of uniform traffic control devices*, Part 3: *Traffic control devices for works on roads*.

Operator Requirements

The operators of this plant must be trained and competent in the use of this equipment. Each state, territory or region has its own guidelines and training or accreditation requirements for the use of the Data Sign-PTL on public roads, particularly for road works usage. These usage requirements are outside the scope of documentation provided by Data Signs Pty Ltd. The latest *PTL Operations & Maintenance Manual* supplied with each plant should be read, understood and followed. This document should be stowed in the box compartment on the Master PTL unit. Regular servicing of the equipment prevents machine damage and interruption to the usage of the mobile plant. The servicing standards are outlined in the *Operations & Maintenance Manual*.

Fire and Hazard Risk from Batteries

The Data Sign-PTL's are fitted with Valve Regulated Sealed Lead Acid Rechargeable Batteries. Under normal conditions of use, no gases are released. However, when the batteries are overheated, they may release hydrogen gas which is highly flammable. NO SMOKING near this equipment.

Sulfuric acid vapors and mist may be generated when the batteries are overheated, oxidized or otherwise processed or damaged. Hazardous exposure to lead compounds may occur when the batteries are overheated, oxidized or otherwise processed or damaged creating dust, vapor or fumes. The Material Safety Data Sheet for the battery is available upon request.

Transportation of Data Sign-PTL

The trailer-mounted Data Sign-PTL'S are usually towed by a road vehicle. Ensure an appropriate capacity vehicle is used. When towing, be mindful of prevailing weather conditions. Do not tow above **80 km/h**. There is a risk of "fish-tailing" or roll-over if travelling too fast around corners or roundabouts.

Follow the procedures outlined in the *Operations & Maintenance Manual* for correct take down and towing.

Equipment Handling

Always wear PPE when handling the Data Sign-PTL'S. The *Operations & Maintenance Manual* supplied with each plant should be read and understood and followed.

Check the weight of the Data Sign-PTL'S on the VIN plate attached to the trailers' chassis. There is a possibility of muscle strain when hitching to the vehicle or unhitching from the vehicle if incorrect procedures are followed. Use the jockey wheel to assist with the uncoupling and separating procedure.

When separating the Slave PTL trailer from the Master PTL trailer, ensure both jockey wheels are down to prevent tipping. The jockey wheel on both the Master and Slave PTL trailer must always be lowered while the trailers are separated from each other.

Striking/Hitting or Crushing

The Data Sign-PTL'S are **not** fitted with a manual braking system. Data Signs recommends using wheel chocks before uncoupling the tow coupling from the vehicle to avoid uncontrolled or unexpected movement of the plant set resulting in serious injury or crushing. Set up on level ground. Proper deployment of the wind-down legs will stabilize the trailer and keep it from moving.

When deploying or retracting the wind-down legs or Jockey Wheel, do so carefully to avoid jamming, hitting or pinching of hands or feet.

The hoods/shrouds attached to each PTL aspect are a rigid plastic with sharp corners. Avoid striking or hitting.

The wind-down legs have corners that may be struck when deployed.

Setting up a safety exclusion zone through use of bollards and safety tape is recommended in pedestrian thoroughfares to avoid striking and injury.

Slipping or Tripping

The deployed wind-down legs and Tow Bar protrude from the trailer and can pose a tripping risk. Setting up a safety exclusion zone through use of bollards and safety tape is recommended in pedestrian thoroughfares.

Disclaimer

The information contained in this document is proprietary information of Data Signs Pty Ltd. Data Signs Pty Ltd make every effort to ensure the quality of the information it makes available. Notwithstanding the foregoing, Data Signs Pty Ltd does not make any warranty as to the information contained herein, and does not accept any liability for any injury, loss or damage of any kind incurred by use of or reliance upon the information.

Data Signs Pty Ltd reserves the right to make modifications, additions and deletions to this document at any time and without notice. [The latest version of this document is available for download from the Data Signs website, in PDF format].

The Data Signs logo is a registered trademark of Data Signs Pty Ltd in Australia, United Kingdom, United States of America, and a trademark in other countries.

Copyright © Data Signs Pty Ltd 2015
All rights reserved. E&OE (Errors and omissions excepted).