

2023 Action Plan for Use of Liquid Anti-stripping Asphalt Additives on NS Department of Public Works Paving Projects

Safety Data Sheets

For each of the pure anti-stripping products on the list of “Acceptable” Anti-stripping Asphalt Hot Mix and Warm Mix Additives for 2023 NSDPW Projects, the specialty chemical supplier has produced a Safety Data Sheet (SDS) meeting Canadian Workplace Hazardous Materials Information System (WHMIS 2015) SDS requirements.

Where all ingredient information is not fully disclosed (i.e.: listed as trade secret or confidential business information) the specialty chemical supplier SDS has submitted the non-disclosed information to the Hazardous Materials Information Review Commission of Health Canada so that the SDS might be reviewed for accuracy and completeness and has been issued with a Trade Secret Registry Number to place on the SDS.

Note that these are not the SDSs that are required at the workplace. The SDSs prepared by the specialty chemical supplier are used by those preparing the workplace SDSs for the liquid asphalt cement containing a small amount (generally less than 0.5% by weight) of the liquid anti-stripping additive.

General Liquids Canada, Irving, and McAsphalt have developed workplace SDSs for each of their asphalt cements that have been modified by the addition of a liquid anti-stripping asphalt additive. As these workplace SDSs are for products that are more than 99% liquid asphalt cement, they will be very similar to the SDSs for the liquid asphalt cement that does not contain a LAS additive.

Before doing a Worker Information Session for a specific project, the trainer will need to find out which supplier is providing the asphalt cement and which liquid anti-stripping asphalt additive is being used for that project. The SDSs for the asphalt cement containing the small amount of liquid anti-stripping additive should be obtained from the contractor doing the paving or from the supplier of the asphalt cement.

If the trainer is providing a “general” Worker Information Session for workers who will work on a number of different projects, such as NSDPW inspectors, weighers, checkers, project engineers, etc. or contracted testing company personnel, or hot and warm mix truckers, discuss SDSs in general, including the requirement to have a SDS present at the workplace that is specific to the product being used.

A copy of the SDS for the hot liquid asphalt cement containing liquid anti-stripping asphalt additive must be on site at all times and made available to workers.