



Memo

To: Ampol
From: WSP
Subject: Diesel SDS introduction
Our ref: PS131412-CLM-MEM-001 RevA
Date: 11 May 2022

- The provision of SDS for diesel was requested by members of the Kurnell community at a recent community meeting.
- The primary purpose of SDS is to provide **workers** and **PCBUs**¹ with safe handling and emergency response information in **occupational** setting². Such settings assume handling of pure, undiluted products over short time frames or working hours. The hazard information in the SDS is based on 95 to 100% diesel (SDS Section 3, Composition Information).
- Pure diesel, as described in the SDS (Section 11, Toxicological Information), is classified as non-hazardous due to its low inhalational, dermal, and oral toxicity.
- Short-term exposures, involving touching the pure product or directly inhaling vapours, may cause some discomfort through skin, eye, and throat irritation. These types of effects would subside once exposure has stopped.
- The SDS for diesel provides long-term exposure related toxicological information as well, but this information applies only to the pure product under occupational settings. The diesel released during the overflow has been mostly removed.
- Soil concentrations around the remediation areas range between <100 to 2,000 mg of petroleum product per kg of soil, that is <0.01 to 0.2% (w/w). For this reason, more applicable Australian guidelines suited for the situation, e.g., those presented by CRC CARE (2011)³ for direct contact with soil contaminated with petroleum fuels, should be used to consider long-term health impacts.
- CRC CARE guidelines take into account the much lower concentrations present in contaminated soil and the different scenarios people are likely to be in when exposed to the soil.

¹ Persons conducting a business or undertaking

² Understanding Safety Data Sheets For Hazardous Chemicals Fact Sheet, SafeWork Australia (2012). https://www.safeworkaustralia.gov.au/sites/default/files/2021-11/understanding_sds_fact_sheet.pdf

³ <https://www.crccare.com/products-and-services/health-screening-levels>