

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

TO: Sodium oxide file (CAS # 12401-86-4)
FROM: Gary Butterfield
DATE: July 29, 2005
SUBJECT: Screening level for Sodium oxide

Sodium oxide has a molecular formula of Na₂O. Sodium oxide has a molecular weight of 61.98 g/mol.

The following references or databases were searched to identify data to determine the screening level: U.S. Environmental Protection Agency (EPA) Integrated Risk Information System (IRIS), National Institute for Occupational Safety and Health (NIOSH) Registry for Toxic Effects of Chemical Substances (RTECS), American Conference of Governmental and Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs), Michigan Department of Environmental Quality (DEQ) library, International Agency for Research on Cancer (IARC) Monographs, Chemical Abstract Service (CAS) Online (1968-July 2005), National Library of Medicine (NLM) - Toxline, and National Toxicology Program (NTP) Status Report.

The CAS and NLM online literature searches were conducted on July 14, 2005. No toxicity studies on this chemical were located during the search.

Due to a lack of available toxicity data, the ITSL for sodium oxide is being set at the default value of 0.1 µg/m³ with annual averaging under R232(i).

GB: LH