

Aldicarb Oxime

Product Stewardship Summary

December 2007

Chemical Name:	2-methyl-2-(methylthio)propionaldehyde oxime
Synonyms:	Aldicarb oxime; ADO; 2-(Methylthio)isobutyraldehyde oxime; 2-Methyl-2-(methylthio)propionaldoxime ; Propanal, 2-methyl-2-(methylthio)-, oxime ; Propionaldehyde,2-methyl-2-(methylthio)-,oxime ; Temik oxime
CAS Number:	1646-75-9
CAS Name:	2-Methyl-2-(methylthio)propionaldehyde oxime
EC (EINECS) Number:	216-709-5

- Aldicarb oxime (ADO) is an essential raw material used in the production of carbamate pesticides that are used to protect crops from insect infestation.
- ADO is a High Production Volume (HPV) chemical produced at over 1,000,000 pounds annually. Honeywell has sponsored this chemical under the EPA HPV Challenge Program.
- ADO is used only in controlled, closed-system industrial applications by a limited number of customers and is consumed during use. The environmental impact is expected to be low. The risk of worker exposure is reduced through the use of recommended engineering controls and personal protective equipment. Honeywell has established a workplace exposure limit of 10 ppm (54.3 mg/m³) as an 8-hour time-weighted average for use in worksite safety programs.
- ADO is a clear, colorless nonflammable liquid that is moderately toxic in the unlikely event of exposure. It is corrosive to eyes. Immediately flush eyes with plenty of water and seek medical attention to avoid serious, permanent damage. ADO may irritate the skin or respiratory tract upon contact.
- Animals exhibited no serious effects upon repeated exposure to ADO, including effects on reproduction and immune function.
- The cancer risk is low for ADO.
- ADO is considered slightly to moderately toxic to aquatic organisms. It is soluble in water and, if released, will most likely migrate primarily to water and soil. Because of its water solubility, ADO is not likely to accumulate in the bodies of humans or animals.

This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.

- For more information, send an e-mail to ProductRiskInformation@honeywell.com. Additional information may also be found at the following links:

[The National Toxicology Program \(NTP\)](#)
[Environmental Protection Agency HPV Challenge Program](#)

