



**Committee of Experts on the Transport of Dangerous Goods
and on the Globally Harmonized System of Classification
and Labelling of Chemicals****Sub-Committee of Experts on the Transport of Dangerous Goods****Forty-eighth session**

Geneva, 30 November – 9 December 2015

Item 3 of the provisional agenda

Listing, classification and packing**Introduction of a new entry for Phosphorothioic acid, O-
[(cyanophenylmethylene)azanyl]O,O-diethyl ester
("Phoxim") in n-Butanol****Transmitted by the European Chemical Industry Council (CEFIC)¹****Introduction**

1. The title compound is the active ingredient of a formulation used in veterinary medicine as an insecticide and acaricide for the treatment of farm animals. The mixture consists of the (E) and (Z) isomers with an assay of 82-91 % Z isomer in n-butanol.

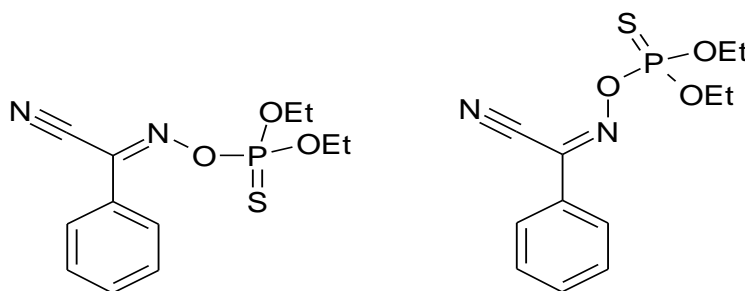


Figure 1: Chemical structure of Phosphorothioic acid, O-[(cyanophenyl methylene) azanyl] O,O-diethyl ester ("Phoxim"), (E) and (Z) isomers

¹ In accordance with the programme of work of the Sub-Committee for 2015–2016 approved by the Committee at its seventh session (see ST/SG/AC.10/C.3/92, paragraph 95 and ST/SG/AC.10/42, para. 15).

2. For the June session of the Sub-Committee, CEFIC had submitted informal document INF.26 (47th session) with the request for the creation of a new entry for aforementioned mixture in the list of self-reactive substances of chapter 2.4.2.3.2.3 and the classification as UN 3227 SELF-REACTIVE LIQUID, TYPE E.

3. A detailed test report and the formal data sheet to be submitted to the United Nations for new classification of substances were attached to aforesaid informal paper. Members of the Sub-Committee were invited to review the data and to forward any comments to the CEFIC delegation.

4. As a result of the discussion in the June session, CEFIC was asked to submit the corresponding formal proposal. No further question or comment from any delegation was received.

Test data

5. All tests were performed according to the methods specified in the UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria, fifth revised edition, with amendments 1 and 2.

6. The classification procedure led to the final result (Figure 20.1 of the UN Test Manual)

Exit E, accepted for transport in packages of not more than 400 kg/ 450 litres.

Details are specified in the test report in Annex I of informal document INF26 (47th session), and Annex II contains the formal data sheet.

Proposal

7. In chapter 2.4.2.3.2.3, create an entry in the list of self-reactive substances as follows

<i>SELF-REACTIVE SUBSTANCE</i>	<i>Concentration (%)</i>	<i>Packing method</i>	<i>Control temperature (°C)</i>	<i>Emergency temperature (°C)</i>	<i>UN generic entry</i>	<i>Remarks</i>
Phosphorothioic acid, O-[(cyanophenyl methylene) azanyl] O,O-diethyl ester	82-91 (Z isomer)	OP 8			3227	(10)

8. Add a new remark (10) at the end of the same chapter as follows:

(10) This entry applies to the technical mixture in n-Butanol with the concentration limits of the (Z) isomer.

Justification

9. The fact that the product is carried in large quantities and is used worldwide justifies a new entry in the list of self-reactive substances. The test results are clear, and a formal temporary approval has been issued for all modes by the German authorities. The concentration limits apply to the product as registered for veterinary purposes.