

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

37-10845-01

Docket or Reference number

030-06244

CORRECTED COPY

Amendment No. 09

Koppers Company, Inc.
Science and Technology Center
440 College Park Drive
Monroeville, Pennsylvania 15146

"OFFICIAL RECORD COPY"

In accordance with application dated March 4, 1985, License Number 37-10845-01 is amended as follows:

Item 1. (Name) is changed from Koppers Company, Incorporated, Science and Technology to Koppers Company, Inc., Science and Technology Center.

Items 6., 7., 8. and 9. are amended to read:

- | | | |
|---|---|--|
| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form | 8. Maximum amount that licensee may possess at any one time under this license |
| A. Nickel 63 | A. Plated sources contained in Hewlett-Packard Model 18713A detector cell | A. Not to exceed 15 millicuries per source |
| B. Nickel 63 | B. Plated sources contained in Hewlett-Packard Model 19233 detector cell | B. Not to exceed 15 millicuries per source |
| C. Hydrogen 3 | C. Titanium tritide foil contained in Sentex Model No. 50319 detector cells | C. Not to exceed 150 millicuries per source |

9. Authorized use

- A. and B. For use in Hewlett-Packard gas chromatographs for sample analysis.
C. For use in portable Sentex Sensing Technology, Inc. Model Scentor gas chromatographs for vapor analysis.

Conditions 10., 12., 13. and 16. are amended to read:

10. Licensed material shall be used only at the licensee's facilities, 440 College Park Drive, Monroeville, Pennsylvania. Licensed material listed in Subitem C. may be used only at temporary job sites of the licensee anywhere in the United States where the Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
12. Licensed material shall be used by, or under the supervision of, Marjorie P Mattison, Dolores J. Colwell, Martha R. Dysart, Stephen J. Ondrey, Wayne E. Swab, Cindy S. Klara, Dr. S. B. Cole, John J. Kane, Mark G. Grunebach, George R. Rusnack, John Steele, John Ramsay, or Andrew G. Lorince.

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(continued)

CONDITIONS

13. A. Each chromatograph detector containing Nickel 63 shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a detector received from another person shall not be put into use until tested.
- B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the surfaces of the device in which the foil is mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the foil from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the U.S. Nuclear Regulatory Commission, Region I, 631 Park Avenue, King of Prussia, Pennsylvania 19406, describing the equipment involved, the test results, and the corrective action taken.
- D. The licensee is authorized to collect leak test samples in accordance with the procedures described in the licensee's application dated March 4, 1985 for analysis by C. W. Flickinger or M. H. Juba. Alternatively, leak test samples may be collected and/or analyzed by other persons specifically authorized by the Commission or an Agreement State to perform such services.
16. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated June 28, 1984; letters dated October 9, 1984; and application dated March 4, 1985. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

Conditions 17., 18. and 19. are added:

17. Detector cells containing titanium tritide foil shall only be used in conjunction with a properly operating temperature control mechanism which prevents foil temperatures from exceeding 225 degrees Centigrade.
18. Detector cells containing licensed material shall not be opened.

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(continued)

CONDITIONS

19. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material for Transport and Transportation of Radioactive Material Under Certain Conditions."



Date

MAY 03 1985

For the U.S. Nuclear Regulatory Commission

Original Signed By

Jenny M. Johansen

By

Nuclear Materials Safety and
Safeguards Branch, Region I
King of Prussia, Pennsylvania 19406