

U. S. NUCLEAR REGULATORY COMMISSION
MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 31, 32, 33, 34, 35, 36, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s); and to import such byproduct and source material. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		
1. Monsanto Company		3. License number 24-01113-22
2. 200 N. Lindbergh Blvd. (Q3F) St. Louis, Missouri 63144		4. Expiration date September 30, 1983
		5. Docket or Reference No.
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. Krypton 85	A. Sealed sources (3M Model 3B4G)	A. Not to exceed 10 milli- curies per source
9. Authorized use		
A. For use to neutralize aerosol particle charge.		

CONDITIONS

10. Licensed material shall be used only at the licensee's address stated in Item 2 above.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be used by, or under the supervision of, B. M. Kocatas, A. K. Rao, or D. J. Scott.

MATERIALS LICENSE

Supplementary Sheet
CONDITIONS

License Number 24-01113-22

Docket or
Reference No. _____

(continued)

13. Sealed sources containing licensed material shall not be opened.

14. 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 received April 20, 1978.

Date SEP 6 1978

For the U. S. Nuclear Regulatory Commission
Original Signed By

by Radioisotope Licensing Branch

Division of Fuel Cycle and
Material Safety
Washington, D.C. 20555-2011 **1**

PG
9/6/78
PG/nt

U.S. NUCLEAR REGULATORY COMMISSION MATERIALS DATA INPUT INDUSTRIAL

5 - INDUSTRIAL BYPRODUCT
REFERENCE COPY

TYPE OF ACTION AND IDENTIFICATION CODES

<input checked="" type="checkbox"/> NEW LICENSE	<input type="checkbox"/> AMENDMENT TO RENEW LICENSE	<input type="checkbox"/> AMENDMENT TO TERMINATE	<input type="checkbox"/> VOID	DOCKET NUMBER	MAIL CONTROL NUMBER	CHANGE NAME/ ADDRESS
<input type="checkbox"/> NEW LICENSE AND NEW LICENSEE	<input type="checkbox"/> OTHER AMENDMENT	<input type="checkbox"/> CLERICAL CHANGE NO AMENDMENT	1	030-14582	94181	<input type="checkbox"/>

DECLARATIVE INFORMATION:

NAME (LAST, FIRST, MIDDLE)	NAME (LAST, FIRST, MIDDLE)
NAME (LAST, FIRST, MIDDLE)	NAME (LAST, FIRST, MIDDLE)
NAME (LAST, FIRST, MIDDLE)	NAME (LAST, FIRST, MIDDLE)

ORGANIZATION NAME (ALPHABETIC SEQUENCE)

Monsanto Company

DEPARTMENT OR BUREAU

Enviro Chem, Equipment Dept.

BUILDING, STREET

800 N. Lindbergh Bvd. (Q3F)

St. Louis

S 440

ZIP CODE

63144

TYPE OF APPLICANT	<input type="checkbox"/> U.S. GOVERNMENT AGENCY <input checked="" type="checkbox"/> INDIVIDUAL LICENSEE <input type="checkbox"/> ORGANIZATIONAL LICENSEE	DATE REQUEST RECEIVED	INSTITUTION CODE	PENDING PROG. CODE	ACTUAL PROG. CODE
333		05/31/78	01113		

SECONDARY PROGRAM CODES AS REQUIRED:

#1	#2	#3	#4	#5

LICENSE NUMBER	DATE LICENSE ISSUED OR ACTION COMPLETED	EXPIRATION DATE

BYPRODUCT

CHEMICAL OR PHYSICAL FORM

POSSESSION LIMIT

Krypton 85

A. Sealed source
(3M Model 3B4G)A. Not to exceed
10 milligram
X-ray source.

For use to neutralize aerosol particle charge

B.M. Kocatur, A.K. Rao, or D.J. Scott

application received April 20, 1978

10. After Babur M. Kocatur

DATE MAILED

REVIEWER

DATE COMPLETED

8/25/78

Printing Products Division/3M

3M Center
St. Paul, Minnesota 55144
612/733 1110



June 27, 1980

Mr. A. K. Rao
Mail Call F4EE
Monsanto Corporation
800 North Lindberg Blvd.
St. Louis, MO 63166

Dear Mr. Rao:

This letter will confirm that we have received from your company two Kr-85 sources, 3M Model 3B4G, each containing 10 millicuries of material. These sources were disposed of on June 25, 1980, pursuant to your purchase order RC51666.

I trust that this information will permit you to adjust your source inventory records.

Very truly yours,

A handwritten signature in cursive script, appearing to read "RJK".

Robert J. Kunz
Sales and Marketing Manager
Commercial, Consumer, and O.E.M. Markets

RJK/sam/E

JUL 9 1980

U.S. NUCLEAR REGULATORY COMMISSION
MATERIALS DATA INPUT INDUSTRIAL

1 - FILE COPY

R1

A. TYPE OF ACTION AND IDENTIFICATION CODES

<input type="checkbox"/> NEW LICENSE	<input type="checkbox"/> AMENDMENT TO RENEW LICENSE	<input checked="" type="checkbox"/> AMENDMENT TO TERMINATE	<input type="checkbox"/> VOID	DOCKET NUMBER	MAIL CONTROL NUMBER	CHANGE NAME ADDRESS
<input type="checkbox"/> NEW LICENSE AND NEW LICENSEE	<input type="checkbox"/> OTHER AMENDMENT	<input type="checkbox"/> CLERICAL CHANGE NO AMENDMENT	5	030-14582	03540	<input type="checkbox"/>

B. INDICATIVE INFORMATION:

INDIVIDUAL	NAME (LAST, FIRST, MIDDLE)	NAME (LAST, FIRST, MIDDLE)			
	NAME (LAST, FIRST, MIDDLE)	NAME (LAST, FIRST, MIDDLE)			
	NAME (LAST, FIRST, MIDDLE)	NAME (LAST, FIRST, MIDDLE)			
ORGANIZATION	ORGANIZATION NAME (ALPHABETIC SEQUENCE)				
	<u>Monsanto Company</u>				
ADDRESS	BUILDING, STREET	CITY	STATE	ZIP CODE	
	<u>Corporate Square Office Park, Box 14547</u>	<u>St Louis</u>	<u>MO</u>	<u>63178</u>	
6	TYPE OF APPLICANT	DATE REQUEST RECEIVED	INSTITUTION CODE	PENDING PROG. CODE	ACTUAL PROG. CODE
	<input type="checkbox"/> U.S. GOVERNMENT AGENCY <input type="checkbox"/> INDIVIDUAL LICENSEE <input checked="" type="checkbox"/> ORGANIZATIONAL LICENSEE	<u>7-9-80</u>	<u>01113</u>	<u>03120</u>	
SECONDARY PROGRAM CODES AS REQUIRED:					
#1		#2	#3	#4	#5
LICENSE NUMBER		DATE LICENSE ISSUED OR ACTION COMPLETED	EXPIRATION DATE		
<u>24-01113-22</u>		<u>8-7-80</u>			

C. STATISTICAL INFORMATION:

MEDICAL CATEGORY:					
<input type="checkbox"/> FOR HUMAN USE ONLY	<input type="checkbox"/> FOR HUMAN AND NONHUMAN USE	<input type="checkbox"/> FOR NONHUMAN USE ONLY			
POSSESSION OF THE MATERIAL IS AUTHORIZED IN ONE OF THE FOLLOWING AREAS:					
<input type="checkbox"/> SAME AS "STATE" IN ADDRESS	<input type="checkbox"/> ALL STATES	<input type="checkbox"/> ALL NON-AGREEMENT STATES			
AND/OR IN THE STATE(S), TERRITORY(S), COUNTRY CHECKED BELOW:					
ALABAMA -AL	GEORGIA -GA	MARYLAND -MD	NEW JERSEY -NJ	SOUTH CAROLINA -SC	WYOMING -WY
ALASKA -AK	HAWAII -HI	MASSACHUSETTS -MA	NEW MEXICO -NM	SOUTH DAKOTA -SD	
ARIZONA -AZ	IDAHO -ID	MICHIGAN -MI	NEW YORK -NY	TENNESSEE -TN	AMERICAN SAMOA -AS
ARKANSAS -AR	ILLINOIS -IL	MINNESOTA -MN	NORTH CAROLINA -NC	TEXAS -TX	CANAL ZONE -CZ
CALIFORNIA -CA	INDIANA -IN	MISSISSIPPI -MS	NORTH DAKOTA -ND	UTAH -UT	GUAM -GU
COLORADO -CO	IOWA -IA	MISSOURI -MO	OHIO -OH	VERMONT -VT	PUERTO RICO -PR
CONNECTICUT -CT	KANSAS -KS	MONTANA -MT	OKLAHOMA -OK	VIRGINIA -VA	VIRGIN ISLANDS -VI
DELAWARE -DE	KENTUCKY -KY	NEBRASKA -NB	OREGON -OR	WASHINGTON -WA	
WASHINGTON, DC -DC	LOUISIANA -LA	NEVADA -NV	PENNSYLVANIA -PA	WEST VIRGINIA -WV	CANADA -CN
FLORIDA -FL	MAINE -ME	NEW HAMPSHIRE -NH	RHODE ISLAND -RI	WISCONSIN -WI	

D. POSSESSION LIMITS OF SOURCE AND SPECIAL NUCLEAR MATERIALS AND TRITIUM

SOURCE MATERIAL CEILING				SNM CEILING				"X" HERE IF FOR POWER REACTOR			
<input type="checkbox"/> GRAMS <input type="checkbox"/> KILOGRAMS				<input type="checkbox"/> GRAMS <input type="checkbox"/> KILOGRAMS							
AMOUNT	UNIT	CONFIG.	ENRICH.	MAT.	AMOUNT	UNIT	CONFIG.	ENRICH.			
U5	<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				
U3	<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				
PU	<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				
UR	<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				
TH	<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				
	<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				
	<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				<input type="checkbox"/> G <input type="checkbox"/> kg	<input type="checkbox"/> S <input type="checkbox"/> UNS				
H3	<input type="checkbox"/> CURIES <input type="checkbox"/> MICROCURIES <input type="checkbox"/> MILLICURIES			RIS CODES							

U5=U235, U3=U233, PU=PLUTONIUM, UR=URANIUM, TH=THORIUM, H3=TRITIUM, G=GRAMS,
kg=KILOGRAMS, S=SEALED, UNS=UNSEALED

MATERIALS LICENSE

Supplementary Sheet

License Number 24-01113-22

Docket or
Reference No. _____

Amendment No. 01

Monsanto Company
Corporate Square Office Park
Box 14547
St. Louis, Missouri

In accordance with letter dated July 7, 1980, License Number 24-01113-22 is hereby terminated.

Date AUG 1980

For the U. S. Nuclear Regulatory Commission
ORIGINAL SIGNED BY JOHN W. [REDACTED]
by Material Licensing [REDACTED]

Division of Fuel Cycle and
Material Safety
Washington, D.C. 20555

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7/28 - SC5

Monsanto Enviro-Chem

Monsanto Enviro-Chem Systems Inc.
Corporate Square Office Park
Box 14547
St. Louis, Missouri 63178
Phone: (314) 684-1000

July 7, 1980

RECEIVED BY LFMB	
Date..	JUL 17 1980
Log.	JULY PG 11 III
By....	BROWN
Orig. To	
Action Compl	9/21/80

US Nuclear Regulatory Commission
Regional Licensing Section
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Attn: Dr. John Cooper

Gentlemen:

We have the license number 24-01113-22 for use of Krypton 85 sealed sources. Since at present this work is completed, we have returned these sources to the manufacturer. Attached is their letter acknowledging receipt and disposal. We have no other radioactive materials under this license.

Please discontinue the license number 24-01113-22.

Sincerely,

B. M. Kocatas

B. M. Kocatas

AKR:rt

cc D. J. Scott

9/30/83
3L

JUL 9 1980

Control No. 03540

104420623-1P