



**TRANE®**

# General Service Bulletin

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## Returnable Containers for Refrigerant R123

ORDER NO: CVHE-SB-48D

DATE: July 2002

### **This is an informational bulletin only CVHE, CVHF and CDHF**

#### Revision History:

CVHE-SB-48 - Original issue March 25, 1998

CVHE-SB-48A - January 15, 1998, Changed "Units Affected",  
Page 2, Second Paragraph

CVHE-SB-48B - February 1, 2000, Revised Return Procedures

CVHE-SB-48C - May 8, 2001, Returnable Containers Redesign

CVHE-SB-48D - July 5, 2002, Changed Return Information  
Revised Return Procedures

### **Introduction**

Beginning August 10, 1998, all domestic centrifugal refrigerant releases began shipping R123 in new returnable cylinders except for Alaska, Canada and Hawaii. They receive R123 refrigerant in drums. The cylinders are available in two sizes, 50-pounds and 200-pounds, rather than the former drums, which held 100-pounds and 200-pounds of refrigerant. (See Figure 1.) This bulletin describes the cylinders and explains the return procedure to be followed by the Service Company.

## Requirements

Service offices will not be liable for cylinder deposits after a set time period. Instead, service offices will be expected to return cylinders after the chiller has been charged. Non-compliance by individual offices will result in cylinder deposit invoicing by LBU. The use of Empty Cylinder tags is no longer required. Field service offices now must call LBU Technical Services, not DuPont, for required forms. In addition, return paperwork must be faxed to LBU Materials for accurate crediting of returned cylinders. These numbers are referenced below for your convenience.

LBU Technical Service Telephone number: 608-787-5305  
LBU Materials Fax number: 608-787-3623

## Units Affected

All domestic low-pressure centrifugal units using refrigerant R123 that had refrigerant released after August 10, 1998. (Exceptions are Hawaii, Alaska and Canada.)

## Background

Trane has worked with its refrigerant supplier, DuPont, to develop a returnable R123 cylinder to replace refrigerant drums. Numerous field complaints associated with drums was the reason for this project, (primarily leakage and disposal issues). Also, drums could not be subjected to a deep vacuum without collapsing. These issues are resolved with the new refrigerant cylinders. Dip tubes have been added to the cylinder fleet and is available to the field 2001.

## Discussion

A drawing of the new refrigerant cylinders is shown in Figure 1. The 50-pound cylinder is actually a 100-pound cylinder charged with 50-pounds of R123. Both cylinders are the same outside diameter but different height. See Table 1.

EXT	CHARGE	A	TARE WT
01	50-pounds	22.5	40-pounds
02	200-pounds	37.8	61-pounds

## ▲ WARNING

### Hazardous Pressures!

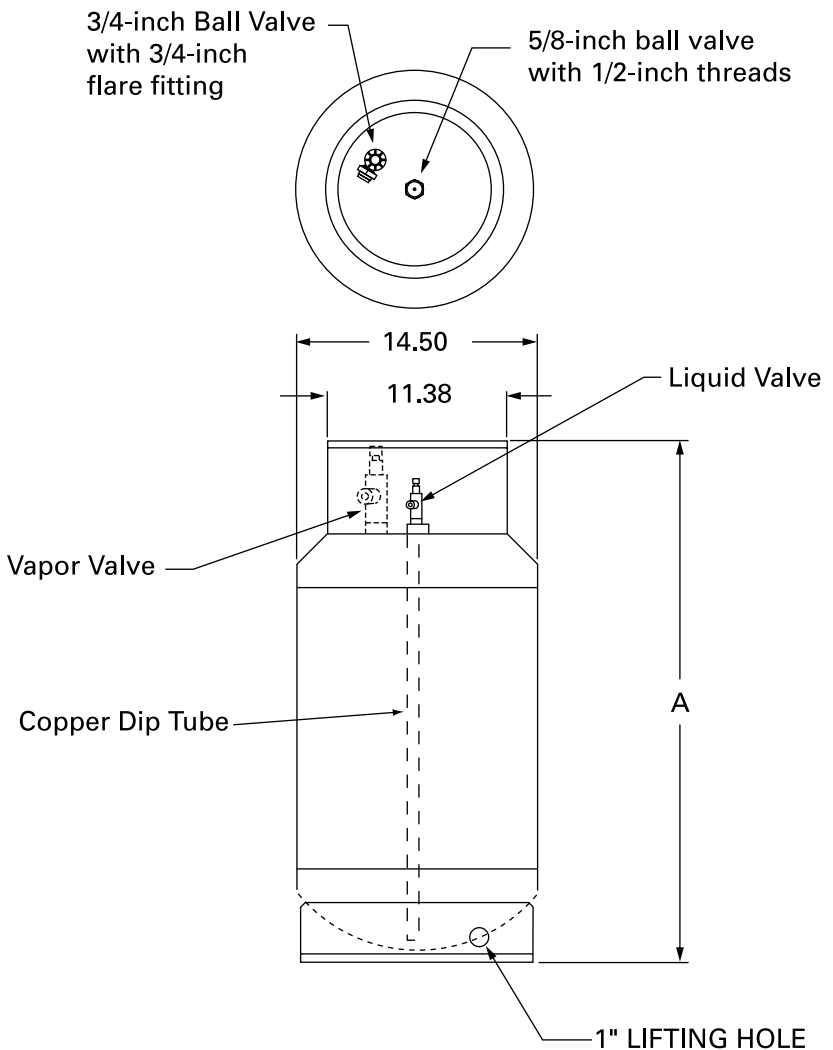
If a heat source is required to raise the tank pressure during removal of refrigerant from cylinders, use only warm water or heat blankets to raise the tank temperature. Do not exceed a temperature of 150°F. Do not, under any circumstances, apply direct flame to any portion of the cylinder. Failure to follow these safety precautions could result in a violent explosion, which could result in death or serious injury.

## CAUTION

### Do Not Remove Valves!

Do not remove ball valves during removal of refrigerant from cylinders. Failure to follow this precaution could cause rust and corrosion resulting in contamination to equipment.

Figure 1 - DuPont Refrigerant Cylinder



Two ball valves are attached to the top of the cylinders to allow product unloading. The flare fitting on the vapor valve can be removed which allows any 3/4-inch male pipefitting to be used if the provided 5/8-inch flare fitting is not suitable. Do not remove the valves for any reason.

The recommended procedure for removing refrigerant is the push-pull method through the use of the dip tube. If it becomes necessary to invert a cylinder, a one-inch hole is provided in the foot ring to allow a lifting hook to be used for hoisting the cylinder for gravity method unloading.

## **▲ WARNING**

### **Hazardous Pressures!**

**If a heat source is required to raise the tank pressure during removal of refrigerant from cylinders, use only warm water or heat blankets to raise the tank temperature. Do not exceed a temperature of 150°F. Do not, under any circumstances, apply direct flame to any portion of the cylinder. Failure to follow these safety precautions could result in a violent explosion, which could result in death or serious injury.**

**Note:** A T handle service tool (TOLO1251) has been developed to permit operating the ball valve stems through the collar openings. The cost of the service tool is around \$25.00.

A charging procedure which is known to give fast unloading times (four to six minutes per 200-pound cylinder) is outlined below.

## **Recommended Charging Procedure**

1. Drain water from evaporator or circulate water while breaking vacuum. This is the most important step of all. Try to have the installer do this after he has leak tested the water side of system or put a drain hose on when checking vacuum rise test. Breaking vacuum is not necessary if the evaporator is properly drained.
2. Using a set up for push-pull unloading, run a 1/2" to 3/4" hose from the liquid valve to the unit evaporator-charging valve. Run a similar sized hose from the vapor valve to the exhaust connection of a vacuum pump. Run a hose from the intake side of the vacuum pump to the 3/4-inch ball valve located under the chiller suction elbow.

3. For the first cylinder only, open the evaporator ball valve and then the cylinder liquid valve located in the center on the top. After a few minutes, open the suction elbow valve and start the pump. Open the vapor valve. As there is initially no refrigerant vapor in the chiller, you can't pull vapor pressure from the unit.
4. When empty, stop the pump, close the vapor valve and then the liquid valve. Close off the valve on the line to the evaporator. Disconnect hoses from cylinder, replace all valve caps and hook up the next cylinder.
5. Do not close liquid valve first and let the vacuum pump build pressure inside the cylinder!
6. Do not use nitrogen to pressurize cylinders for unloading.
7. Unloading of each cylinder using push-pull method will get progressively faster, whereas with the gravity method, it gets slower.
8. Be sure to empty each cylinder charge completely into the chiller.

These cylinders do not require an initial deposit but must be returned to DuPont after unloading. If LBU decides that an office is not making an effort to return cylinders, a one-time charge of \$150.00 per cylinder will be assessed to the Service Company by Trane headquarters. Some loss of cylinders due to theft or contactor negligence is expected. Service companies will not be held liable for occasional losses of cylinders, provided the number is small. Return the cylinders promptly after unloading the refrigerant. LBU will provide each domestic sales office with the required forms and paperwork required to return the cylinders.

9. Close valves completely and install caps. Do not remove hoses before closing the valves.

**Note:** Cylinders whose charge is temperature stabilized below 83°F should not have positive pressure. If there is, residual pressure can be relieved by slowly cracking the valve open. Report each incident to LBU Technical Service.

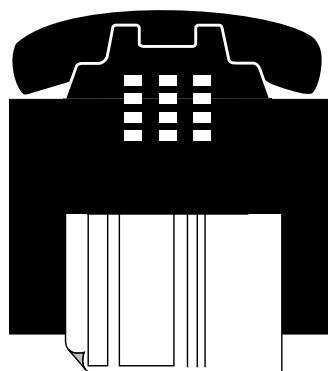
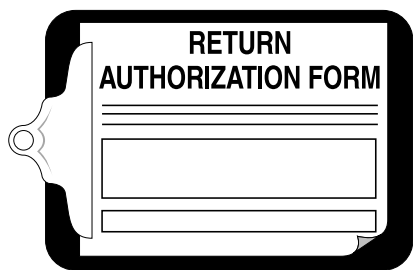


# DuPont™ Suva®

refrigerants

## Trane Procedures for Returning Suva® 123 Containers and Materials

(Empty Cylinders, Defective Containers, Product)



*The miracles of science™*

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## Overview

This document describes the proper procedures for returning Suva® 123 empty cylinders, defective containers, and product to DuPont. As a shipper of record, you are responsible for maintaining container integrity at all times, preparing and properly labeling each vessel, preparing a proper bill-of-lading (BOL), and ensuring that the shipment complies with all DOT regulations.

To assist you, DuPont will provide Material Safety Data Sheets (MSDS), Return Authorization (RA) tags, plus an easy-to-use bill-of-lading and Return Authorization form. Please contact your DuPont Customer Service Representative to obtain these items.

DuPont will pay the return freight if you call DuPont Transportation (TONA) at (800) 554-8662 to arrange shipment, use an approved carrier, and prepare and ship the containers in accordance with this guideline.

## Emergency Response

Companies shipping used refrigerant to DuPont may use the CHEMTREC 24-hour emergency telephone number (800) 424-9300. However, if your company is not a member of the Chemical Manufacturing Association (CMA) in Washington, D.C., this telephone number may not be used as the required Department of Transportation (DOT) emergency response telephone contact when shipping other hazardous materials.

## Returning Empty Containers (Not Recovered Refrigerant)

1. Complete Return Authorization (RA) form (see Example A).

**Note:** RA form is attached behind bill-of-lading (BOL) form.

2. Contact DuPont TONA at (800) 554-8662 to arrange shipment and obtain RA number. Remember to add RA number to the Return Authorization form and BOL. DuPont TONA will inform you of the RA number, carrier, and DuPont return location. Normally this is the site that originally shipped product to you.

**Note:** Empty containers should be returned on the same pallet(s) as received and properly secured to the pallet to provide a safe return to DuPont. Use banding to secure cylinders to pallet(s).

3. Complete BOL form (Example B), indicating correct quantities, weight, DOT description, and RA number.

**Note:** For return shipments to Kingston, Ontario, the carrier will complete the necessary customs paperwork (Canadian Customs Invoice).

4. Ship to DuPont. Provide the carrier with BOL and attach RA form (packing list) to the shipment.
5. Fax a copy of the RA form to Trane LBU Materials Dept at 608-787-3623 within 24 hours of shipment.

### At-A-Glance Procedure

①



Complete RA form.

②



Call (800) 554-8662 to arrange shipment and get RA number.

③



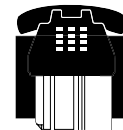
Complete BOL form.

④



Ship to DuPont. Provide the carrier with BOL and attach RA form (packing list) to the shipment.

⑤



Fax RA form to Trane LBU Materials Dept at 608-787-3623.

### Will Accept

- Any DuPont Suva® 123 returnable container.

**Note:** The DOT requires valves to be protected for shipping on all cylinders, including returned empties. Contact your customer service representative for details.

**Note:** If a container shows visible damage, the full cost of the container will be charged. Examples of visible damage include:

- Use of flame on cylinders, as evidenced by burn marks through the paint.
- Dents 4" in length or greater.
- Gouges in the metal to a depth of 3/8" or greater.
- Severe rusting (more than 50% of the cylinder).

## Returning Defective Containers

1. Complete Return Authorization (RA) form (see Example D).

**Note:** RA form is attached behind bill-of-lading (BOL) form.

2. Contact DuPont TONA (800) 554-8662 to arrange shipment and obtain RA number. Remember to add RA number to the Return Authorization form and BOL. DuPont TONA will inform you of the RA number, carrier, and DuPont return location. Normally, this is the site that originally shipped product to you.

**Note:** Defective containers should be consolidated and shipped with return cylinders.

3. Complete BOL form, indicating correct quantities, weight, DOT description, and RA number.

**Note:** For return shipments to Kingston, Ontario, the carrier will complete the necessary customs paperwork (Canadian Customs Invoice).

4. Identify each container with a “Returned for Inspection” tag. This tag must be filled out completely and must cross-reference the RA number and customer purchase order number (see Example E).
5. Ship to DuPont. Provide the carrier with BOL and attach RA form (packing list) to the shipment.
6. Fax a copy of the RA form to the designated DuPont return facility within 24 hours of shipment.

### At-A-Glance Procedure

1



Complete RA form.

2



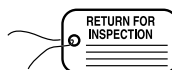
Call (800) 554-8662 to arrange shipment and get RA number.

3



Complete BOL form.

4



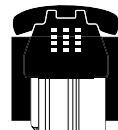
Tag each container.

5



Ship to DuPont. Provide the carrier with BOL and attach RA form (packing list) to the shipment.

6



Fax RA form to Trane LBU Materials Dept at 608-787-3623.

**Will Accept for Credit If the Following Criteria Are Met:**

- The date code sticker on the container is less than two years old.
  - For cylinders, information on small (1/2" × 3/4") sticker:
    - 120L8A, or 120/8A, or 120/8A, where
    - 120 = 120th day of the year
    - 8 = Year, 1998
    - L or A = Filler’s I.D.
- The container does not show visible damage.
- The container is lightweight or empty, and the protective shrink-wrap is intact on the valve.
- If the shrink-wrap is removed, the customer determines the container is defective during use and the defect is verified by a DuPont site inspection.

**Credits/Refunds**

- Credit amount will be based on the current list price of product.
- If container is full and no defect is found, a 30% handling fee will be assessed based on the current list price of product.
- All defective containers reported and returned by customer will be inspected to determine appropriate disposition as shown in the table below.
- For situations where defect cannot be readily identified upon receipt, credit will be issued up front; if defect is later found, offsetting debit will be applied.

Container Contents?		Shrink-wrap Intact?		Defect Confirmed? <sup>(1)</sup>		Credit and Charges <sup>(2)</sup>
Partially Empty	Full	Yes	No	Yes	No	
X		X		X		Full
X		X		X		Full
X		X			X	No credit
	X		X	X		Full
	X		X		X	Full less 30% handling fee








(1) Common defects include broken valves, leaks at valve stems, rupture disc failure, and empty or lightweight containers with shrink-wrap intact.

(2) **Please Note:** Individual cases will be reviewed with Sales/Marketing for final disposition.

## Returning Product (e.g., Overstock/Excess Inventory)

1. Contact your DuPont Sales or Customer Service Representative for approval and disposition. All product returns are subject to DuPont approval and will be based on DuPont's ability to resell the product.
2. Complete Return Authorization (RA) form (see Example F).  
**Note:** RA form is attached behind bill-of-lading (BOL) form.
3. Contact DuPont TONA (800) 554-8662 to arrange shipment and obtain RA number. DuPont TONA will inform you of the RA number, carrier, and DuPont return location. Normally, this is the site that originally shipped product to you.  
**Note:** Product returns should be consolidated and shipped with return cylinders.
4. Complete BOL form, indicating correct quantities, weight, DOT description, and RA number.  
**Note:** For return shipments to Kingston, Ontario, the carrier will complete the necessary customs paperwork (Canadian Customs Invoice).
5. Identify each container with a "Returned for Inspection" tag. This tag must be filled out completely and must cross-reference the RA number and customer purchase order number (see Example G).
6. Ship to DuPont. Provide the carrier with BOL and attach RA form (packing list) to the shipment.
7. Fax a copy of the RA form to the designated DuPont return facility within 24 hours of shipment.

### At-A-Glance Procedure

- ①  Call DuPont Sales or Customer Service Representative for approval.
- ②  Complete RA form.
- ③  Call (800) 554-8662 to arrange shipment and get RA number.
- ④  Complete BOL form.
- ⑤  Tag each container.
- ⑥  Ship to DuPont. Provide the carrier with BOL and attach RA form (packing list) to the shipment.
- ⑦  Fax RA form to Trane LBU Materials Dept at 608-787-3623.

### **Will Accept for Credit If the Following Criteria Are Met:**

- The container is full and the protective shrink-wrap is intact on the valve.
- The container does not show visible damage.
- If the shrink-wrap is removed, product can be returned through recovered refrigerant program. Contact your DuPont sales or customer service representative for details.

### **Credits/Refunds**

- Credit amount will be based on the customer's last purchase price of product.
- A 30% restocking fee will be assessed based on the current list price of product.

## Shipping Procedures

1. Verify that the cylinders (valves, plugs, reliefs, etc.) are secure and not leaking.
2. Identify all containers and pallets with RA tags that include RA number and customer purchase order number.
3. Return freight collect. DuPont TONA will tell you which DuPont location to ship to. Normally, this is the site that originally shipped the cylinders to you.
4. All shipments must be properly blocked and braced.

### ***Proper Palletizing***

#### **Empty Cylinder Returns**

- Empty cylinders should be palletized vertically on a standard 4-way pallet (same pallet(s) as received) and secured for shipment using adequate banding materials. Bands should be at two or three locations vertically (6–12” below the top shoulder, 6–12” above the base, and the center) to ensure the load does not separate during transport.

Options for banding material include:

- 1) **Steel banding that uses the 3/4” wide by 0.023” thick banding with 3/4” clips. Kits that have the bander, crimper, seals, and banding are about \$275.00 each.**
- 2) **Poly strapping. A kit costs about \$90.00 including the tensioner, cutter, buckles, and 1,000’ plastic banding.**

Steel banding and poly strapping kits can be ordered through any local supply house for shipping materials. They can also be ordered through the following:

Shipper’s Supply Co. (contact is Charlie West)  
Phone number: (800) 357-2899

*or*

Fork-Lift Systems  
Phone number: (800) 221-6556

#### **Defective Containers and Other Returned Product**

- Consolidate and ship with return containers.

# Authorized Return Sites

	Empty Containers	Defective Containers	Product
DuPont Fluoroproducts c/o Louisville Packaging 7753 National Turnpike Louisville, KY 40214 Fax: 502-363-6206	X	X	X
DuPont Fluoroproducts c/o Franke Filling, Inc. 5960 Tension Drive Fort Worth, TX 76112 Fax: 817-457-8527	X	X	X

## Field Office Return Site Guide

<b>Field Office Location</b>	<b>DuPont Return Site</b>
Alabama	Louisville Packaging
Alaska	Franke Filling
Arizona	Franke Filling
Arkansas	Louisville Packaging
California	Franke Filling
Colorado	Louisville Packaging
Connecticut	Louisville Packaging
Delaware	Louisville Packaging
District of Columbia	Louisville Packaging
Florida	Louisville Packaging
Georgia	Louisville Packaging
Hawaii	Franke Filling
Idaho	Franke Filling
Illinois	Louisville Packaging
Indiana	Louisville Packaging
Iowa	Louisville Packaging
Kansas	Louisville Packaging
Kentucky	Louisville Packaging
Louisiana	Louisville Packaging
Maine	Louisville Packaging
Maryland	Louisville Packaging
Massachusetts	Louisville Packaging
Michigan	Louisville Packaging
Minnesota	Louisville Packaging
Mississippi	Louisville Packaging

<b>Field Office Location</b>	<b>DuPont Return Site</b>
Missouri	Louisville Packaging
Montana	Franke Filling
Nebraska	Louisville Packaging
Nevada	Franke Filling
New Hampshire	Louisville Packaging
New Jersey	Louisville Packaging
New Mexico	Franke Filling
New York	Louisville Packaging
North Carolina	Louisville Packaging
North Dakota	Louisville Packaging
Ohio	Louisville Packaging
Oklahoma	Louisville Packaging
Oregon	Franke Filling
Pennsylvania	Louisville Packaging
Rhode Island	Louisville Packaging
South Carolina	Louisville Packaging
South Dakota	Louisville Packaging
Tennessee	Louisville Packaging
Texas	Franke Filling
Utah	Franke Filling
Vermont	Louisville Packaging
Virginia	Louisville Packaging
Washington	Franke Filling
West Virginia	Louisville Packaging
Wisconsin	Louisville Packaging
Wyoming	Franke Filling

## **Preparing Bill-of-Lading**

DuPont will provide a bill-of-lading (BOL) form for return shipments. All items on this form should be filled out by the shipper except those specifically indicated to be filled out by the carrier. The BOL form must contain the following information:

- Proper shipping name
- Name of carrier
- Date
- Company name and address of shipper
- Signature of shipping company's representative
- Shipping destination
- Number and types of containers
- Freight prepaid or collect
- Gross product weight, in pounds (includes the weight of the containers, except for tank trucks)
- DOT "Nonflammable Gas" placards are not required for shipments of Suva® 123 in any container size since this material is not regulated by the DOT.
- Driver's signature

EXAMPLE "A" - EMPTY CYLINDER RETURN



**RETURN AUTHORIZATION FORM**  
(FOR RETURN OF EMPTY CYLINDERS, DEFECTIVE DUPONT CONTAINERS, AND/OR FULL PRODUCT RETURNS)

**RA # 1234**

**Trane P.O. No. B6B027ADS01**

Carrier/PRO Number. CF/2468

Returned by:

Company: TRANE

Address: ANYWHERE U.S.A.

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**INSTRUCTIONS:**

1. Please complete all information related to the nature of your return.
2. Contact DuPont TONA to arrange shipment and to obtain RA # by calling 1-800-554-8662.
3. Return your container(s) with appropriate tags and BL/RA forms to the designated DuPont return location.
4. Fax completed RA form to Trane LBU Materials Dept at 608-787-3623.

**DESCRIPTION OF EMPTY CONTAINERS**

Water Capacity & Type	DOT Specification	FOR CUSTOMER USE ONLY			FOR DUPONT USE ONLY				
		Total No. of Containers Shipped	Tare Weight Container	Total per Weight	Total No. of Tare Received	Exceptions Containers Shipped vs Containers Received	Defect Y/N	Noted Received	Date Comments
84.5# Cyl.	4BW225	2	40#	80					
170# Cyl.	4BW225	4	61#	244					
<b>TOTAL</b>		<b>6</b>		<b>329</b>					

**DEFECTIVE DUPONT CONTAINERS OR FULL PRODUCT RETURNED FOR CREDIT**

Container	Container Date	Shrinkwrap/Seal Intact?		If No, explanation of defect required	Claim Justified?		DUPONT PLANT Comments
		Y	N		Y	N	

EXAMPLE "B" - EMPTY CYLINDER RETURN



DuPont Fluoroproducts

FOR EMPTY CYLINDER RETURN  
STRAIGHT BILL OF LADING SHORT FORM-ORIGINAL-NOT NEGOTIABLE

RETURN AUTHORIZATION FORM IS ATTACHED BEHIND THE BOL

CARRIER NAMED BELOW, RECEIVED, subject to the classifications and lawfully tariffs in effect on the date of the issue of this shipping order

CARRIER NO. CF/2468

DATE: 5/5/98

RA No. 1234

FROM (COMPANY): TRANE  
ADDRESS: ANYWHERE U.S.A.

EMERGENCY CONTACT:  
FOR A CHEMICAL EMERGENCY  
(SPILL, LEAK, EXPOSURE, FIRE OR ACCIDENT)  
  
Contact DuPont - Day or Night - By Calling  
  
CHEMTREC - (800) 424-9300 (Toll Free)  
Arlington, VA 527-3887  
Outside Continental U.S.A. (703) 527-3887 (Collect)

FREIGHT COLLECT: Send Freight Bills To:  
FMIS Freight  
P.O. Box 8964, Wilmington, DE 19899  
Subject to Section 7 conditions of the bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.  
Per: JOHN DOE  
(Signature of Consignor)  
If charges are to be prepaid, write or stamp here: "To be Prepaid"

CONSIGNEE TO: (Mail or street address of consignee-For purposes of notification only)  
E.I. du Pont de Nemours and Company  
c/o Fluoroproducts  
STREET 7753 NATIONAL TURNPIKE  
CITY LOUISVILLE STATE KY ZIP 40214

DESCRIPTION OF MATERIALS

No. of Cylinders	Residue: Last Contained	Gross Wt.
6	2,2-Dichloro-1,1,1-trifluoroethane (not regulated) (Suva® 123)	324

For return of defective DuPont cylinders or full product, use space provided below for quantity.

No. of Cylinders		Gross Wt.
	2,2-Dichloro-1,1,1-trifluoroethane (not regulated) (Suva® 123)	

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

JOHN DOE  
Shipper Name

5/5/98  
Date

EXAMPLE "D" - DEFECTIVE CONTAINER RETURN



**RETURN AUTHORIZATION FORM**

(FOR RETURN OF EMPTY CYLINDERS, DEFECTIVE DUPONT CONTAINERS, AND/OR FULL PRODUCT RETURNS)

**RA # 1234**

**Trane P.O. No. B6B027ADS01**

Carrier/PRO Number: CF/2468

Returned by:

Company: TRANE

Address: ANYWHERE U.S.A.

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**INSTRUCTIONS:**

1. Please complete all information related to the nature of your return.
2. Contact DuPont TONA to arrange shipment and to obtain RA # by calling 1-800-554-8662.
3. Return your container(s) with appropriate tags and BL/RA forms to the designated DuPont return location.
4. Fax completed RA form to Trane LBU Materials Dept at 608-787-3623.

DESCRIPTION OF EMPTY CONTAINERS

Water Capacity & Type	DOT Specification	FOR CUSTOMER USE ONLY		FOR DUPONT USE ONLY				
		Total No. of Containers Shipped	Tare Weight per Container	Total No. of Containers Received	Exceptions Containers Shipped vs Received	Defect Noted Y/N	Date Received	Comments
84.5# Cyl.	4BW225		40#					
170# Cyl.	4BW225		61#					
<b>TOTAL</b>								

DEFECTIVE DUPONT CONTAINERS OR FULL PRODUCT RETURNED FOR CREDIT

Container	Container Date	Shrinkwrap/ Seal Intact?		If No, explanation of defect required	Claim Justified?		DUPONT PLANT Comments
		Y	N		Y	N	
SUVA®-123	5/8/98		X				
50 lb cyl							
SUVA®-123	5/15/98		X	Valve would not reseal.			
200 lb cyl				35 lb lost.			

EXAMPLE "E" - DEFECTIVE CONTAINER RETURN



"Sample Tag"  
"FRONT"  
**RETURNED FOR INSPECTION**

RA # 1234

CUSTOMER P.O. # B6B027ADS01  
(if applicable)

Customer Name: TRANE

Location: ANYWHERE U.S.A.

Defective Container

Product Return

Nature of Defect or Reason for Product Return: SUVA®-123 200 lb. cylinder -  
valve would not reseal. 30 lb lost.

NOTE: Do not ship leaking or unsafe containers.  
Contact DuPont at 1-800-235-SUVA for instructions.

"BACK"

**RETURN INSTRUCTIONS:**

1. Please complete all information related to the nature of your return.
2. Contact DuPont TONA (1-800-554-8662) to arrange shipment and to obtain return authorization number.
3. Return your container(s) with appropriate tags and Bill of Lading/Return Authorization forms to the designated DuPont return location.
4. Fax a copy of RA form to Trane LBU Materials Dept at 608-787-3623.

NOTE: As the shipper of record, you are responsible to ensure that the shipment complies with all DOT regulations.

EXAMPLE "F" - PRODUCT RETURN



**RETURN AUTHORIZATION FORM**

(FOR RETURN OF EMPTY CYLINDERS, DEFECTIVE DUPONT CONTAINERS, AND/OR FULL PRODUCT RETURNS)

RA # 1234

Trane P.O. No. B6B027ADS01

Carrier/PRO Number: CF/2468

Returned by:

Company: TRANE

Address: ANYWHERE U.S.A.

City: State: Zip:

**INSTRUCTIONS:**

1. Please complete all information related to the nature of your return.
2. Contact DuPont TONA to arrange shipment and to obtain RA # by calling 1-800-554-8662.
3. Return your container(s) with appropriate tags and BL/RA forms to the designated DuPont return location.
4. Fax completed RA form to Trane LBU Materials Dept at 608-787-3623.

**DESCRIPTION OF EMPTY CONTAINERS**

Water Capacity & Type	DOT Specification	FOR CUSTOMER USE ONLY			FOR DUPONT USE ONLY					
		Total No. of Containers Shipped	Tare Weight Container	Total per Weight	Total No. of Tare Received	Exceptions Containers Shipped	Defect vs Containers Received	Noted Y/N	Date Received	Comments
84.5# Cyl.	4BW225		40#							
170# Cyl.	4BW225		61#							
TOTAL										

**DEFECTIVE DUPONT CONTAINERS OR FULL PRODUCT RETURNED FOR CREDIT**

Container	Container Date	Shrinkwrap/ Seal Intact?		If No, explanation of defect required	Claim Justified?		DUPONT PLANT Comments
		Y	N		Y	N	
SUVA®-123	5/15/98	X					
-50 lb cy1							



"Sample Tag"  
"FRONT"

**RETURNED FOR INSPECTION**

**RA #** 1234

**CUSTOMER P.O. #** B6B027ADS01  
(if applicable)

**Customer Name:** TRANE

**Location:** ANYWHERE U.S.A.

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\_\_\_\_\_

Defective Container

Product Return

**Nature of Defect or Reason for Product Return:** Overstock - return for credit.

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**NOTE:** Do not ship leaking or unsafe containers.  
Contact DuPont at 1-800-235-SUVA for instructions.

Form CN-7542 12/97

"BACK"

**RETURN INSTRUCTIONS:**

1. Please complete all information related to the nature of your return.
2. Contact DuPont TONA (1-800-554-8662) to arrange shipment and to obtain return authorization number.
3. Return your container(s) with appropriate tags and Bill of Lading/Return Authorization forms to the designated DuPont return location.
4. Fax a copy of RA form to Trane LBU Materials Dept at 608-787-3623.

**NOTE:** As the shipper of record, you are responsible to ensure that the shipment complies with all DOT regulations.



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[Replaces: H-77944-1]  
Reorder No.: H -77944-2



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Literature Order Number	CVHE-SB-48D
Date	July 2002
Supersedes	CVHE-SB-48C 0501
Stocking Location	La Crosse

*Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice. Only qualified technicians should perform the installation and servicing of equipment referred to in this publication.*