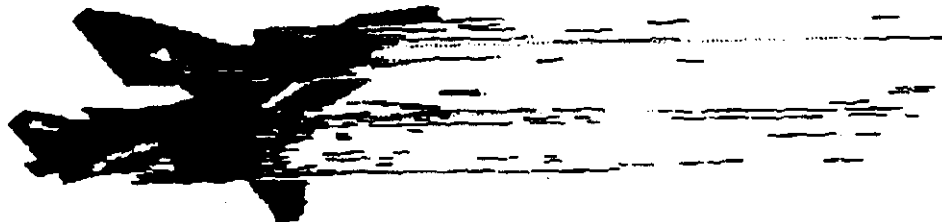


**#7 Warner - Lambert Materials Safety Data Sheet- MSDS P021D00**



**FEDERAL EXPRESS CORPORATION**  
**FedEx - INTERNATIONAL SECURITY**

6050 Rockwell Drive  
Anchorage, Alaska 99502

**Fax Cover Sheet**

DATE: July 31, 1997                      TIME: 10:20 AM  
TO: SCOTT MUGNO  
FROM: Robert W. Leger                      PHONE: 907-249-3101  
Security Specialist III                      FAX: 907-249-3627  
RE: FEDERAL EXPRESS FLIGHT #14

Number of pages including cover sheet: 16

**Message**

THIS FAX COVERS POSITIONS 8R & 8L, 9R & 9L

POSITIONS 8R, 9R AND 9L IS A COMBINED, DOUBLE PALLET SHIPMENT

FROM LEP INTERNATIONAL IN TOKYO, JAPAN, DESTINED TO LEP INTERNATIONAL IN

NEW YORK. THE TOTAL AMOUNT OF PIECES IN THESE THREE PALLETTS IS 230. THE  
BREAK DOWN IS AS FOLLOWS: 9R HAS 78 PIECES, WEIGHT 9,870; ULD #PMC00095FX,  
9L HAS 79 PIECES, WEIGHT OF 9881, ULD # PMC4228FM; 8R HAS 73 PIECES, WEIGHT OF  
8138., ULD#PMC0308FM.

KIAC LIST THE CONTENTS AS PHARMACEUTICALS.

POSITION 8L CONTAINS 19 PIECES , ULD# PMCB413FT, OF "MATERIALS FOR INK", A  
POWDER FORM FROM NIPPON EXPRESS COMPANY IN NARITA. GOING TO NIPPON

JUL-31-97 THU 9:26 SECURITY FED EX HUB ANCH 2493627

P.02

**EXPRESS IN SPRINGFIELD GARDENS, NEW YORK. THIS SHIPMENT WAS SPLIT AND 14  
ADDITIONAL PIECES ARE IN POSITION 13C, ULD # PAG1597FM**

Thanks and Regards

Bob L.

**FACSIMILE COVER PAGE**

**Date:** 7/31/97  
**Time:** 13:03:08  
**Pages:** 7

230 ~~200~~ drums  
AB# LEP-023 NRT &  
850 50324

**To:** MICHAEL HOYSLER  
**Company:** FEDEX  
**Fax #:** 1-901-224-9908

positions 8R, 9R, 9L

**From:** Tom Czubak  
**Title:** Manager, Trade & Customs Affairs  
**Company:** Warner Lambert Company  
**Address:** 201 Tabor Road  
Morris Plains, New Jersey 07950  
USA  
**Fax #:** 973-631-7796  
**Voice #:** 973-540-3868

**Message:**

Mike

**RE: TROGLITAZONE(MAWB NO. 023-8505-0324)**

As per our conversation note attached MSDS for the pharmaceutical active ingredient Troglitazone, along with a copy of the page for Troglitazone as described in the U.S. Pharmacopela Dictionary (1995). FYI, Troglitazone is an FDA approved active ingredient for ethical pharmaceutical Rezulin(tm) manufactured by the Park-Davis division of the Warner-Lambert Company.

If you have any questions, please let me know.

Regards,

Thomas Czubak  
Manager, Trade & Customs Affairs

To MICHAEL HOYSLER FEDEX  
SENT BY: WORLD TRADEFrom: Tom Czubak 973-831-7786  
: 7-31-97 12:24PM : WARNER-LAMBERT-7/31/97 13 04 04 Page 2 of  
: # 1 / 6  
WARNER-LAMBERT 27 0**WARNER  
LAMBERT****Material Safety Data Sheet****Section 1 Chemical Product and Company Identification**

Product Name: Troglitazone

Molecular Formula: C<sub>24</sub>H<sub>27</sub>NO<sub>5</sub>S

Molecular Weight: 441

CAS Number: 97322-87-7

Process Number: CI-991

Step Number: Final Product

Warner-Lambert ID Number: PD 137070-0000

MSDS #: P021D00

Date of Issue: 8/30/95

Supersedes: NA

Revision Number: 0

**Synonyms:**

CI-991

PD 137070-0000

5-[4 (6 Hydroxy-2,6,7,8-Tetramethyl-Chroman-2-ylmethoxy)-Benzyl]-Thiazolidine-2,4-Dione

**Manufacturing Division:**

Parke-Davis

2800 Plymouth Road

Ann Arbor, MI 48106

**Company Contact:**

George Kretsch

**Telephone Number:**

(313)998-7000

**Section 2 Composition/Information on Ingredients****Ingredient Name**

Troglitazone

CAS Number: 97322-87-7

**Exposure Limits**W-L OEG\*: 2.0 mg/m<sup>3</sup>**Concentration Percent**

100

\* - Warner-Lambert Occupational Exposure Guideline

**Section 3 Hazards Identification****\*\*\* EMERGENCY OVERVIEW \*\*\***

Caution! Overexposure may cause adverse effects to the central nervous system, liver, blood, skin, and respiratory and digestive systems. Handle in such a way as to minimize dust generation and avoid inhalation and direct contact. Keep away from incompatible materials.

**Routes of Entry:**

Inhalation: Primary

Absorption: Unlikely

Ingestion: Possible

**Potential Health Effects****Eyes:**

No data are available on the adverse effects associated with eye contact with this material.

Troglitazone  
ND - No Data Available

1 of 6

MSDS #: P021D00  
NA - Not Applicable

TO MICHAEL HOYSLER FEDEX  
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From Tom Czubak 973-631-7798  
7-31-97 12:24PM  
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PARKE-DAVIS-

7/31/97 13:04:48 Page 3 of  
# 2 / 6  
WARNER-LAMBERT: # 3 / 6

Skin:

No data are available on the adverse effects associated with skin contact with this material.

Ingestion:

Ingestion may cause central nervous system effects such as headache and dizziness, kidney effects, breathing difficulty, altered liver enzymes and blood cell count and skin eruptions.

Inhalation:

Inhalation may cause effects similar to those listed under ingestion.

Section 4	First Aid Measures
-----------	--------------------

Eyes:

In case of contact, immediately flush eyes for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Seek medical attention if irritation persists.

Skin:

Remove contaminated clothing. Promptly wash exposed areas with soap and water for at least 15 minutes. Seek medical attention if irritation develops.

Ingestion:

Administer 1-2 glasses of milk or water to dilute ingested material. Seek medical attention if irritation develops.

Inhalation:

Remove victim to fresh air. Seek medical attention if breathing difficulty develops.

Section 5	Fire Fighting Measures
-----------	------------------------

Flash Point (Method): NA  
LEL(%): NA

Autoignition Temperature: ND  
UEL(%): NA

Fire and Explosion Hazards:

Excessive airborne dust concentrations may form a potentially explosive atmosphere in the presence of an ignition source.

Extinguishing Media:

In case of fire, use carbon dioxide (CO<sub>2</sub>), dry chemical, water spray or foam.

Fire Fighting Instructions:

Wear an approved self-contained breathing apparatus (SCBA) and full protective clothing during all fire fighting activities.

Hazardous Combustion Products:

Thermal decomposition products may include oxides of carbon and nitrogen.

Trogilazone  
ND - No Data Available

2 of 5

MSDS #: P021F00  
NA - Not Applicable

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From Tom Czubak 973-831-7796  
7-31-97 12:25PM  
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7/31/97 13:05:28 Page 4 of  
# 3/6  
WARNER-LAMBERT:# 4/8

**Section 6 Accidental Release Measures**

Clean up crews must wear appropriate protective equipment including respiratory, skin and eye protection. Confine the spill and remove incompatible materials and ignition sources. Isolate the area to keep out unnecessary and unprotected personnel. Ventilate the area and collect spilled material in such away as to avoid dust generation. DO NOT DRY SWEEP. Place waste in appropriate container for future disposal. Use care in clean up to prevent exposure to the material and injury from broken containers. Wash all contaminated surfaces with soap and water.

**Section 7 Handling and Storage Precautions**

Handle in such a way as to avoid dust generation, inhalation, and direct contact. Store in a cool, well ventilated area away from heat, sparks, open flame and incompatible materials. Store in suitable labeled containers kept closed and protected from damage. Have emergency equipment (for fire, spills, etc.) readily available.

**Section 8 Exposure Controls/Personal Protective Equipment**

Engineering Controls:

Local exhaust ventilation is recommended to control airborne concentrations of this material. If unusual exposures are expected, an industrial hygiene review of work practices and engineering controls is recommended. (Refer to the Warner-Lambert Safe Handling Guide for additional information on engineering controls and personal protective equipment associated with specific operations is needed.)

Personal Protective Equipment

The personal protective equipment listed below represents the minimum protection recommended. It is the responsibility of the local supervisor or safety administrator to ensure that adequate engineering controls and personal protective equipment are being used to minimize colleague exposure.

Eye/Face Protection:

Safety glasses or goggles recommended.

Skin Protection:

Chemical resistant gloves and splash apron recommended.

Respiratory Protection:

Wear an approved air purifying respirator equipped with HEPA cartridges during dust producing operations. Protection provided by air purifying respirators is limited. Wear an approved, positive pressure, supplied-air respirator if there is a potential for uncontrolled release, exposure levels are not known or any other circumstance where an air purifying respirator may not provide adequate protection.

Work/Hygiene Practices:

Emergency eye wash and shower capability should be available in the vicinity of any potential exposure. Use good personal hygiene and work practices. Avoid repeated and/or prolonged skin contact. Wash hands before eating, drinking, smoking or using toilet facilities.

Trogidazone  
ND - No Data Available

3 of 5

MSDS #: P021F00  
NA - Not Applicable

To MICHAEL HOYSLER FEDEX  
SENT BY: WORLD TRADEFrom Tom Czubak 973-831-7798  
7-31-97 12:25PM  
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FARRE-DAVIS7/31/97 13:08 24 Page 5 of  
# 4/ 6  
WARNER-LAMBERT: # 5/ 0**Section 9 Physical and Chemical Properties**

**Appearance:** Off-white Solid  
**Melting Point:** 170-173 C

**Section 10 Stability and Reactivity****Chemical Stability:**

Material is stable under normal conditions of use.

**Conditions to Avoid:**

Keep away from incompatible materials, ignition sources and heat.

**Incompatible Materials:**

Oxidizers, Strong acids and bases.

**Hazardous Polymerization:**

Hazardous polymerization will not occur under normal conditions of use.

**Section 11 Toxicological Information****Human/Clinical Toxicity:**

Troglitazone is an antidiabetic agent with therapeutic doses ranging from 10 to 1600 mg per day, administered orally. Frequently reported adverse effects associated with therapeutic use of this drug include breathing difficulty, headache, gastrointestinal distress, vomiting, thirst/dryness of the mouth, insomnia, dizziness, confusion, fatigue, skin eruptions, changes in blood cell counts and liver enzyme levels, and kidney failure. There is no information on the possible adverse effects of Troglitazone overdose in humans.

**Acute/Subacute Toxicity:**

Rat Oral LD50: >5000 mg/kg

Mouse Oral LD50: >6000 mg/kg

Monkey Oral LD50: >2000 mg/kg

**Reproductive/Developmental Toxicity:**

Troglitazone produced developmental delays in the offspring of female rats administered 40 mg/kg late in the gestational period and during lactation. However, it did not affect fertility in rats at doses of up to 1000 mg/kg, and did not cause birth defects at doses of up to 2000 mg/kg in rats and 1000 mg/kg in rabbits.

**Genotoxicity:**

Troglitazone was not mutagenic in bacterial and mammalian cell assays.

**Carcinogenicity:**

No data are available on the potential for Troglitazone to cause cancer.

**Section 12 Ecological Information**

There are no data available on the adverse effects of this material on the environment.

Troglitazone  
ND - No Data Available

4 of 5

MSDS #: P021F00  
NA - Not Applicable



TO MICHAEL HOYSLER FEDEX  
SENT BY: WORLD TRADE

From Tom Czubak 973-631-7796  
: 7-31-97 : 12:25PM :  
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: # 5 / 6  
WARNER-LAMBERT : # 6 / 6

**Section 13 Disposal Information**

Dispose of waste in accordance with all applicable Federal, State, and Local regulations. Incineration in an EPA approved facility is the preferred method of disposal.

**Section 14 Transportation Information**

This material is not regulated by the United States Department of Transportation.

**Section 15 Regulatory Information**

United States Regulations:  
EPA SARA Hazard Class(es):  
Acute Health Hazard

European Regulations:  
Risk & Safety Phrases:  
R20/21: When using do not eat, drink or smoke  
R22: Do not breathe dust  
R46: If swallowed seek medical advice immediately.

**Section 16 Other Information**

Disclaimer:  
The information contained within this data sheet is based on currently available scientific studies and is accurate and reliable to the best of our knowledge. Warner-Lambert makes no other warranties, expressed or implied, and assumes no responsibility or liability for injury or damage caused by the material if it is misused or reasonable safety procedures are not followed as specified in this data sheet.

Trogidazone  
ND - No Data Found

5 of 5

MSDS #: P021F00  
NA - Not Applicable

To: MICHAEL HOYSLER FEDEX  
SENT BY: WORLD TRADE

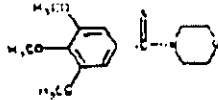
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7-31-97 12:26PM  
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11/11/97 13:01:44

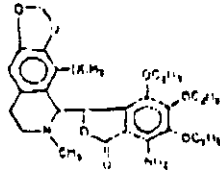
782 TRITI-TROME USP Dictionary of USAN and International Drug Names

Tritiope. Bristol-Myers Squibb brand of Tritiated Water.

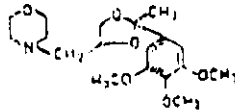
Tritiozole.  $C_{14}H_{14}NO_4S$ . 297.38. 4-(3,4,5-Trimethoxythobenzoyl)morpholine. CAS-35619-65-9. INN: MI.



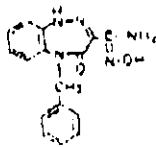
Tritiozoline.  $C_{22}H_{23}N_3O_4$ . 300.35. 7-Amino-4,5,6-triethoxy-1-(5,6,7,8-tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5-g]isoquinolin-5-yl)phtalide. CAS-14504-73-3. INN: DCF; MI.  $\diamond$  L-554



Trizolane.  $C_{12}H_{23}NO_4$ . 353.42. 4-[[2-Methyl-2-(3,4,5-trimethoxyphenyl)-1,3-dioxolan-4-yl]methyl]morpholine. CAS-4742(L)-28-0. INN.



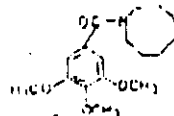
Trizolonia.  $C_{18}H_{23}N_3O_2$ . 309.33. 5-Benzyl-4,5-dihydro-4-oxo-1H-1,2,5-benzotriazepine-3-carboximidoxime. CAS-35710-57-7. INN: DCF.



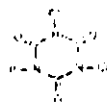
TRK-100. Code designation for Beraprost Sodium.

Trobicin. Pharmacia & Upjohn brand of Spectinomycin Hydrochloride.

Trociminc.  $C_{17}H_{13}NO_4$ . 307.39. Octahydro-1-(3,4,5-trimethoxybenzoyl)azocine. CAS-14368-24-2. INN.

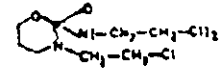


Troclusene Potassium [1964] (troe' kline seen).  $C_4Cl_2KN_3O_2$ . 236.06. (1) 1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3-dichloro-, potassium salt; (2) 1,3-Dichloro-s-triazine-2,4,6-(1H,3H,5H)trione potassium salt; (3) Potassium dichlorotriazocynuric. CAS-2244-21-5, CAS-2782-57-2 (troclusene). INN. Anti-infective, topical.

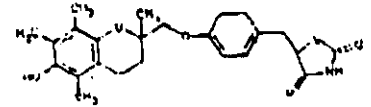


Trofak. Synergen brand of Erofermia.

Trofosamide.  $C_6H_9Cl_3N_2O_2P$ . 323.59. 3-(2-Chloro[bis(2-chloroethyl)amino]tetrahydro-2H-1,3,2-oxa-phosphin 2-oxide. CAS-72089-22-1. INN: MI.  $\diamond$  A-4828

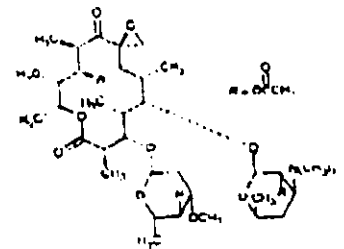


Tropilizum (1995) (troe' gli ta zune).  $C_{20}H_{27}NO_5S$ . (1) 2,4-Thiazolidinedione, 5-[[4-[(3,4-dihydro-6,2,5,7,8-tetramethyl-2H-1-benzopyran-2-yl)methyl]phenyl]methyl]-; (2) (±)-all-rac-5-[[p-[(6-Hydroxy-tetramethyl-2-chromonyl)methoxy]benzyl]-2,4-dioxolane]. CAS-97322-87-7. INN: BAN. Antidiabetic (Davis); (Sankyo, Japan)  $\diamond$  CS-043; CI-991; GR92

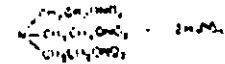


Troloamine (troe' la meen). NF.  $C_{11}H_{13}NO_2$ . 149.19. (1) 2,2',2''-nitrotriaria; (2) 2,2',2''-Nitrotriethanol. CA. 6. Pharmaceutical aid (alkalizing agent); analgesic (as salicylate) (Ascher); (Union Carbide) (Name p used: Triethanolamine.)

Troleanomycin [1968] (troe' lee an due mys' si).  $C_{41}H_{67}NO_{13}$ . 813.99. (Triacetylleandomycin is I JAN.) (1) Oleandomycin, triacetate (ester); (2) oleandomycin. CAS-2731-09-9. INN. Antibacter (Roerig) (Name previously used: Triacetylleam.  $\diamond$  NSC-108166

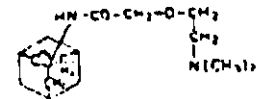


Trolnitrate Phosphate.  $C_6H_{12}N_2O_7P_2$ . 480.17. [Tr INN.] 2,2',2''-Nitrotriethanol trinitrate (ester) (1:2) (salt). CAS-508-42-1; CAS-7077-34-1 (I BAN; MI Nitretamin (Bristol-Myers Squibb))



Trolone. JM Pharmaceuticals brand of Sulfisiam

Tromantadine.  $C_{14}H_{20}N_2O_2$ . 280.41. N-(1-Adamantylmethylamino)ethoxyacetamide. CAS-53783-3. DCF; MI



Trometamol (INN, BAN) — See Trumetamine.

Tromethamine [1962] (troe' meth' a meen) USP. 121.14. [Trometamol is INN and BAN.] (1) diol, 2-amino-2-(hydroxymethyl)-; (2) 2-Amino-