

PM 33 5383-11 12-16-97 1045
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DEC 16 1997

Troy Chemical Corporation
One Avenue L
Newark, NJ 07105

Attention: Wendy A. McCombie

Subject: Troysan 174
EPA Registration Number 5383-11
Your Submission Dated November 7, 1997
EPA Received Date November 11, 1997

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to add Directions for Use in latex storage tanks in exterior paint manufacturing operations that appears on the technical bulletin sheet, is acceptable, provided that you make the following labeling revisions:

1. On the Technical Bulletin change "...may also be used to prevent microbial growth..." to "...may also be used to control microbial growth...".
2. In addition to the use levels you provide by percentage (i.e., "...range from 0.1% - 0.5%", and "1%") include the corresponding dilution ratio (e.g., "1-5 gallons of Tryson 365 to 1000 gallons of material to be treated).

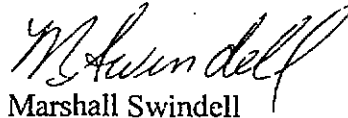
A stamped copy of the technical data sheet is enclosed for your records.

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

If you have any questions concerning this letter, please contact Karen M. Leavy
at (703)-308-6237.

Sincerely,

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

Marshall Swindell
Acting Product Manager (33)
Regulatory Management Branch I
Antimicrobial Division (7510W)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS

DANGER

DANGER! CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. DO NOT GET IN EYES OR ON CLOTHING. WEAR GOGGLES, FACE SHIELD OR SAFETY GLASSES WHEN HANDLING. HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH THE SKIN. AVOID BREATHING VAPOR OR SPRAY MIST. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH CLOTHING BEFORE REUSE.

STATEMENT OF PRACTICAL
TREATMENT

IF IN EYES: HOLD EYELIDS OPEN AND FLUSH WITH A STEADY GENTLE STREAM OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. GET MEDICAL ATTENTION.

IF SWALLOWED: DRINK PROMPTLY A LARGE QUANTITY GELATIN SOLUTION. OR, IF THIS IS NOT AVAILABLE, LARGE QUANTITIES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. AVOID ALCOHOL. GET MEDICAL ATTENTION.

IF INHALED: REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. PREFERABLY MOUTH TO MOUTH. GET MEDICAL ATTENTION.

NOTE TO PHYSICIAN: PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRCULATORY SHOCK, RESPIRATORY DEPRESSION, AND CONVULSION MAY BE NEEDED.

ENVIRONMENTAL HAZARDS

THIS PRODUCT IS TOXIC TO FISH. DO NOT DISCHARGE EFFLUENT CONTAINING THIS PRODUCT INTO LAKES, STREAMS, PONDS, ESTUARIES, OCEANS, OR OTHER WATERS UNLESS IN ACCORDANCE WITH THE REQUIREMENTS OF A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND THE PERMITTING AUTHORITY HAS BEEN NOTIFIED IN WRITING PRIOR TO DISCHARGE. DO NOT DISCHARGE EFFLUENT CONTAINING THIS PRODUCT TO SEWER SYSTEMS WITHOUT PREVIOUSLY NOTIFYING THE LOCAL SEWAGE TREATMENT PLANT AUTHORITY. FOR GUIDANCE, CONTACT YOUR STATE WATER BOARD OR REGIONAL OFFICE OF THE EPA.

TROYSAN[®]
174

E.P.A. REG. NO. 5383-11
E.P.A. ESTAB. NO. 5383-NJ-1

ACTIVE INGREDIENT:
2-[(HYDROXYMETHYL)AMINO] ETHANOL.....97.0%
INERT INGREDIENTS.....3.0%
TOTAL.....100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

FOR USE AS A PRESERVATIVE IN VARIOUS
COMMODITY PRODUCTS



ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 16 1987

for the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.
5383-11

TROY CHEMICAL CORPORATION
ONE AVENUE L NEWARK, NJ 07105

© TROYSAN IS A REGISTERED TRADEMARK OF THE TROY CHEMICAL CORPORATION

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

APPLICATION:

TROYSAN 174 IS SOLD FOR INDUSTRIAL USE ONLY. THIS PRODUCT IS TO BE USED ONLY IN THE MANUFACTURE OF THE SPECIFIC PRODUCTS AS OUTLINED IN THE TECHNICAL BULLETIN. REFER TO THE TECHNICAL BULLETIN FOR SPECIFIC USE DIRECTIONS.

STORAGE AND DISPOSAL

STORAGE:

DO NOT STORE NEAR HEAT OR IGNITION SOURCES. DO NOT STORE AT FREEZING TEMPERATURES FOR PROLONGED PERIODS. THIS PRODUCT IS CORROSIVE TO METAL. DO NOT STORE IN UNLINED METAL CONTAINERS.

PESTICIDE DISPOSAL:

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL. PESTICIDE WASTES ARE TOXIC. IMPROPER DISPOSAL OF EXCESS PESTICIDE, SPRAY MIXTURE OR RESIDUE IS A VIOLATION OF FEDERAL LAW. IF THESE WASTES CANNOT BE DISPOSED OF BY USE ACCORDING TO LABEL INSTRUCTIONS, CONTACT YOUR STATE PESTICIDE OR ENVIRONMENTAL CONTROL AGENCY OR THE HAZARDOUS WASTE REPRESENTATIVE AT THE NEAREST EPA REGIONAL OFFICE FOR GUIDANCE.

CONTAINER DISPOSAL:

TRIPLE RINSE (OR EQUIVALENT) AND OFFER FOR RECYCLING OR RECONDITIONING. DISPOSE OF IN A SANITARY LANDFILL, OR OTHER APPROVED STATE AND LOCAL PROCEDURES.

PHYSICAL AND CHEMICAL HAZARDS

DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME. TROYSAN 174 IS STRONGLY ALKALINE.

NET WEIGHT

3045

Technical Data

405

ACCEPTED
with COMMENTS
in EPA Letter Dated:
DEC 16 1997



Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.
6-583-11

TROYSAN® 174

Broad spectrum bactericide
for aqueous systems
E.P.A. Registration No. 5383-11

DESCRIPTION

Troysan® 174 is a broad spectrum, non-metallic organic biocide designed for use in products which are subject to bacterial deterioration. Examples of such products are; latex paints, resin emulsions, adhesives, pigment dispersions, joint cements, cutting oils, and drilling additives. The following list is a sampling of the types of gram negative and gram positive organisms against which Troysan 174 has demonstrated efficacy:

<u>Organisms</u>	<u>MIC (ppm)*</u>
<i>Pseudomonas aeruginosa</i>	150-250
<i>Pseudomonas fluorescens</i>	300-500
<i>Enterobacter aerogenes</i>	150-250
<i>Escherichia coli</i>	250-500
<i>Bacillus subtilis</i>	150-250
<i>Staphylococcus aureus</i>	150-250
<i>Desulfovibrio desulfuricans</i>	10-30
<i>Proteus vulgaris</i>	150-250
<i>Serratia marcescens</i>	150-250
<i>Aureobasidium pullulans</i>	800-1000
<i>Aspergillus niger</i>	250-500
<i>Penicillium sp</i>	250-500

*Minimum Inhibitory Concentration (MIC) is the lowest level at which bacterial growth is inhibited. These values are used for basic evaluation of microbiological properties only. Levels of Troysan® 174 required under actual use conditions are generally higher.

APPLICATION

Troysan® 174 is used in all products where water is a primary component. Normal use levels range from 0.1%-0.3% based on the total weight of the formulation. Troysan 174 should be added to the latter phase of the manufacturing process. It should not be exposed to temperatures exceeding 125°F (52°C) for prolonged periods of time. Further, Troysan 174 is not suitable for use in systems with a pH below 7.

Troysan® 174 may also be used to prevent microbial growth at the air-water interface of latex storage tanks in paint manufacturing operations. A 1% aqueous solution Troysan® 174 should be sprayed over the surface each time the latex is discharged into the manufacturing process.

COMPOSITION AND TYPICAL PHYSICAL PROPERTIES

Active Ingredient:	
2[(Hydroxymethyl) amino] ethanol:	97.0%
Appearance:	Clear amber liquid
Color (Gardner):	4 Max.
Specific Gravity (@ 25°C)	1.14 -1.16
Lbs./Gal. (@ 25°C).....	9.5 - 9.7
Viscosity (Gardner) @ 25°C	L Max.
pH (@ 25°C).....	11.0 -11.7
Solubility:	Completely soluble in water

NOTE: The above typical properties are not to be considered as purchase specifications.

0501.00/6-94

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ADVANTAGES

- Lowest cost biocide
- Broad spectrum activity
- Ease of incorporation
- Excellent freeze-thaw stability as well as Low freezing point
- Long lasting efficacy

HANDLING AND STORAGE

Avoid storage at temperatures exceeding 120°F (50°C) for extended periods of time. When handling, avoid contact with abraded skin or eyes. If accidental contact occurs, flush affected area with large volumes of water for at least 15 minutes and seek medical attention. Harmful if ingested. Use in well ventilated area

and follow accepted housekeeping practices. See container label for complete precautionary statements and storage and disposal instructions.

PRECAUTION

All amino based products may cause discoloration. Customers are encouraged to check for color stability in their systems.

PACKAGING

Troysan® 174 is supplied in:

- 55 gallon drums.....(500 lbs. net)
- 15 gallon drums.....(125 lbs. net)
- 5 gallon drums.....(45 lbs. net)

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 16 1997
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for this pesticide,
to prevent contact EPA Reg. No.
573 803 - 11

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