

10 SEP 1984

Calgon Corporation
P.O. Box 1346
Pittsburgh, PA 15230

Attention: Edward H. Jones
Regulatory Specialist I

Gentlemen:

Subject: **Herbac 35**
EPA Registration No. 10445-28
Your Submission Dated August 9, 1984

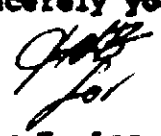
The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



John H. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (TS-767C)

RD/DIS:J.Lee:DCR-44732:WANG-0144L:eg:Raven:479-2013:8/30/84:Del.9/14/84

CONCURRENCES

SYMBOL ▶								
SURNAME ▶								
DATE ▶								

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER CORROSIVE

CAUSES EYE AND SKIN DAMAGE
HARMFUL OR FATAL IF SWALLOWED, INHALED
OR ADSORBED THROUGH SKIN.

Do not get in eyes, on skin or on clothing.
Wear goggles or face shield, rubber gloves,
and protective clothing when handling.
Do not breathe vapor or spray mist.
Product vapors may cause excessive watering
of eyes.
Use only with adequate ventilation.
Wash thoroughly with soap and water after
handling.

STATEMENTS OF PRACTICAL TREATMENT

EYES: In case of contact, flush eyes with
plenty of water for at least 15 minutes and
get medical attention immediately.

SKIN: In case of contact, wash skin
thoroughly with soap and water. Get medical
attention. Remove and wash contaminated
clothing before reuse.

INHALATION: If inhaled, remove patient to
fresh air. Medical attention may be required.

INTERNAL: If swallowed, drink promptly a
large quantity of milk, egg whites, gelatin
solution, or, if these are not available,
drink large quantities of water. Avoid
alcohol. Get medical attention immediately.

NOTE TO PHYSICIAN: Probable mucosal
damage may contraindicate the use of gastric
lavage. Measures against circulatory shock
and respiratory depression may be needed.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not
discharge into lakes, streams, ponds, or
public waters unless in accordance with
an NPDES permit. For guidance, contact
your Regional Office of the EPA.

A PRESERVATIVE FOR USE IN THE
MANUFACTURE OF AQUEOUS COATINGS, ADHESIVES
AND LATEX EMULSIONS

Active ingredient
Benzyl Bromoacetate 47%
Inert ingredients 10%

KEEP OUT OF REACH OF CHILDREN

DANGER

See side panel for additional precautionary
statements.

For information regarding incidents involving
human and environmental exposure, call (412)
777-8000 and ask for the Regulatory and Trade
Affairs Department.

Net Weight _____ Lbs. _____ (_____ Kgs.)

CALGON CORPORATION

CALGON CENTER • PITTSBURGH, PA 15230

ACCEPTED
WITH COMMENTS
to EPA Letter Dated:

SEP 10 1984

Under the Federal Insecticide,
Fungicide, and Herbicide Act
as amended, for the pesticide
registered under EPA Reg. No.

10445-2-P

This is a...
product...
labeling...
EPA...
The...
protection...
formulation...
Sheet for...
directio...
NOTICE
Seller expressly...
conforms to its...
are no warranties...
of this product...
including but not...
of fitness for a...
merchantability.

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STORAGE AND DISPOS

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cannot be used acc
must be disposed o
approved state pro
Wastes under Subti
Conservation and P

Triple rinse (or e
Offer for recyclin
puncture and dispo
fill, or by other
procedures.

Do not contaminat
storage or dispos

BEST

TYPICAL PROPERTIES

Active ingredient > 90% Benzyl bromoacetate
Description Off-white, nonionic liquid
Specific gravity 1.43-1.48
Boiling point 290°F at 10 mm
Flash point > 250°F Cleveland Open Cup

ADVANTAGES

- Extremely active against a broad spectrum of micro-organisms which can attack aqueous coatings and adhesives in storage and in containers.
- Nonmetallic—contains no mercury, arsenic, tin, or other heavy metals.
- Compatible with aqueous systems—does not affect brushing, flow, leveling, grinding, viscosity, gloss, oven stability, drying, tinting, or washability properties of aqueous systems.
- Nonionic—does not cause flocculation.
- Stable—does not decompose or hydrolyze on extended storage.

TYPICAL USE LEVELS

Laboratory testing and consumer use show MERBAC-35 is typically effective when applied at concentrations shown below. All concentrations are based on total formulation weight.

	Concentration
Aqueous Coatings	0.05-0.1%
Latex Emulsions	0.05-0.75%
Adhesives—Acrylic, SBR, PVA, Dextrin, Polyvinyl Alcohol, Casein	0.1-0.15%

DIRECTIONS FOR USE

Aqueous Coatings:

MERBAC-35 should be incorporated into the make-up water during the grind.

Latex Emulsions:

MERBAC-35 should be incorporated following the cool-down of the emulsion.

Adhesives:

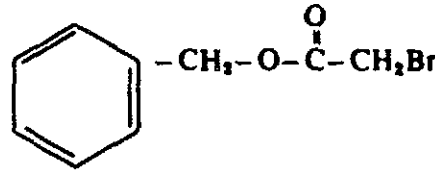
MERBAC-35 should be incorporated with agitation into the make-up water blend. However, where the adhesive is heated, MERBAC-35 should be added during the cool-down cycle.

NOTE: MERBAC-35 should be used in a closed system or in well-ventilated area.

PACKAGING

MERBAC-35 is available in 50 lb. net pail and 500 lb. net drum.

STRUCTURE



ACCEPTED
with COMMENTS
by EPA Letter Dated:

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10445-28

MERBAC-35 is a registered trademark of Merck & Co., Inc.
EPA Reg. No. 10445-28

Keep out of reach of children.
CORROSIVE. CAUSES EYE AND SKIN DAMAGE. HARMFUL OR FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN.

Do not get in eyes, on skin or on clothing. Wear goggles or face shield, rubber gloves and protective clothing when handling. Do not breathe vapor or spray mist. Product vapors may cause excessive watering of eyes. Use only with adequate ventilation. Wash thoroughly with soap and water after handling.

STATEMENTS OF PRACTICAL TREATMENT

- EYES:** In case of contact, flush eyes with plenty of water for at least 15 minutes and get medical attention immediately.
- SKIN:** In case of contact, wash skin thoroughly with soap and water. Get medical attention. Remove and wash contaminated clothing before reuse.
- INHALATION:** If inhaled, remove patient to fresh air. Medical attention may be required.
- INTERNAL:** If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measure against circulatory shock and respiratory depression may be needed.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with an NPDES permit. For guidance, contact your Regional Office of the EPA.

STORAGE AND DISPOSAL

Keep container closed when not in use. Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to federal or approved state procedures for Corrosive Wastes under Subtitle C of the Resource Conservation and Recovery Act.

Triple rinse (or equivalent) empty container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

Do not contaminate water, food, or feed by storage or disposal.

NOTICE

Seller expressly warrants that the product conforms to its chemical description. **THERE ARE NO WARRANTIES ASSOCIATED WITH THE SALE OF THIS PRODUCT, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.**

Information concerning human and environmental exposure may be reviewed on the Material Safety Data Sheet and label for the product.

For additional information regarding incidents involving human and environmental exposure, call 412-777-8000 and ask for the Regulatory and Trade Affairs Department.

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with COMMENTS
in EPA Letter Dated:

SEP 10 1984

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Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

10445-28



SUBSIDIARY OF MERCK & CO., INC.

Produced and sold by Calgon Corporation,
a wholly-owned subsidiary of Merck & Co.,
Inc. For further information on Merbac-35
and other functional biocides, write to
Calgon Corporation, 111 Central Avenue,
Teterboro, New Jersey 07608. Phone: (201)
288-6901.