

	United States Environmental Protection Agency Washington, DC 20460	NOTIFICATION <input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number 246977
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Application for Pesticide - Section I

1. Company/Product Number 10445-40	2. EPA Product Manager Johnson	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Metasol TK-100	PM# (31)	
5. Name and Address of Applicant (Include ZIP Code) Calgon Corporation P.O. Box 1346 Pittsburgh, PA 15230 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Please see attached.

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Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. _____ No. per container _____	If "Yes" Package wgt _____ No. per container _____		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Stanley C. Oslosky	Title Manager, Product Regulations	Telephone No. (include Area Code) 412-494-8802
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Manager, Product Regulations	
4. Typed Name Stanley C. Oslosky	5. Date 10/4/96	

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C O R P O R A T I O N

TECHNICAL INFORMATION REPORT

Bulletin No. 30-206

METASOL® TK-100

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

RECOMMENDATION FOR USE

Adhesive films

Normal **TK-100** dosages for adhesives range from .05% to .15%. **METASOL TK-100** can be incorporated with the make-up water. Other **Calgon** preservatives should be incorporated into the aqueous adhesive formulations to inhibit in-can microbial degradation during shelf storage.

METASOL TK-100 should not be used where the treated adhesive comes in contact with food packaging materials or on food contact surfaces.

Paint Films

Normal **TK-100** dosages for exterior paints range from 0.05% up to 0.4%. In interior paints dosages range from 0.01% up to 0.1%. **METASOL TK-100** should be incorporated into the pigment grind phase of the paint making operation.

Other **Calgon** preservatives should be incorporated into latex paint formulations to inhibit any microbial degradation during shelf storage.

Paper Products

METASOL TK-100 is most efficiently applied via the size tub or water troughs. The tub-size or water-trough solutions should be adjusted to a pH below 4.0. The **METASOL TK-100** should then be added with thorough agitation. The **METASOL TK-100** should be applied at dosage levels from 0.02% to 0.1% based on the finished paper weight.

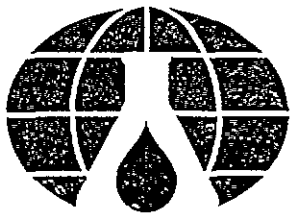
For use in a coating color, the **METASOL TK-100** should be added with agitation to the make-up water.

METASOL TK-100 is a fungicide only. Other **Calgon** preservatives should be incorporated into sizing solutions to inhibit any microbial degradation during shelf storage.

NOTE: **METASOL TK-100** should be used only for the manufacture of non-food grade paper products. **METASOL TK-100** has not been cleared for use in paper or paperboard products intended for use in contact with food.

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C O R P O R A T I O N

SPECIALTY BIOCIDES PRODUCTS & SERVICES

Bulletin No. 30-14d

METASOL TK-100® EPA REGISTRATION NO. 10445-40

DESCRIPTION

METASOL TK-100 is a mildewcide designed for the economical control of mold and mildew on adhesive films, paint films, paper products (for non-food use such as soap wrappers), and natural and synthetic fibers, such as canvas textiles and nylon carpets. Chemically, METASOL TK-100 is 98.5% 2-(4-thiazolyl) benzimidazole (chemical name).

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TYPICAL PROPERTIES

Color	Off-white
Melting Point	296° C
Bulk Density	25 lb./cu. ft.

ADVANTAGES

- **Thermally Stable**
METASOL TK-100 is thermally stable for extended periods of elevated temperatures without loss of antifungal properties. It melts at 296° C and sublimes.
- **Effective**
METASOL TK-100 is active against a broad spectrum of fungi which can cause rot, deterioration, and odors in natural and synthetic carpet fibers and which attack surface coating films.
- **Non-metallic**
METASOL TK-100 contains no metal such as mercury, arsenic, or tin.
- **Toxicology**
The acute oral toxicity (LD₅₀) of METASOL TK-100 is reported to be 3300 mg/KG for mice, 3100 mg/KG for rats, and greater than 3800 mg/KG for rabbits.
- **Stable**
METASOL TK-100 is stable and retains its activity over a broad pH range and does not decompose or hydrolyze on extended storage.

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REGISTRATION APPROVALS

METASOL TK-100 is registered by the U.S. Environmental Protection Agency (EPA Registration No. 10445-40) as a biocide for adhesive films, paint films, paper products (for non-food use, such as soap wrappers), and natural and synthetic fibers, such as canvas textiles and nylon carpets.

HMIS RATINGS: Health = 0 Flammability = 1 Reactivity - 0
Personal Protective Equipment = X (to be specified by user depending on use conditions).

Hazard rating scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

ENVIRONMENTAL HAZARDS

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.

STORAGE AND DISPOSAL

Keep container closed when not in use. Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

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

Waste resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

Completely empty drum liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: CAUTION. Harmful if swallowed. Causes eye irritation. Keep out of reach of children. Avoid contact with eyes. Harmful if inhaled. Avoid breathing dust. Remove contaminated clothing and wash before reuse. Wash hands with soap and water after handling.

Statement of Practical Treatment:

Eyes: In case of eye contact, immediately flush with plenty of water. Seek medical attention if irritation persists.

If Swallowed: Call the Poison Center or seek medical attention. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or administering syrup of Ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

If Inhaled: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

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SHIPPING

D.O.T. CLASSIFICATION:

Proper Shipping Name Not applicable
Class/Division Not restricted
ID Number Not applicable
Packing Group Not applicable

PACKAGING

METASOL TK-100 is available in water soluble bags and drums.

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Information concerning human and environmental exposure may be reviewed on the Material Safety Data Sheet for the product. For additional information regarding incidents involving human and environmental exposure call 1-800-955-0090 and ask for the Health and Environmental Affairs Department.

All names in boldface are trademarks or service marks of Calgon Corporation.

For more information, contact your local Calgon Representative, call 1-800-955-0090, or write: Calgon Corporation, P.O. Box 1346, Pittsburgh, PA 15230.

Internet: <http://www.calgon.com>



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