



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

October 27, 2016

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Patti Golick
Registration Specialist
Troy Chemical Corporation
8 Vreeland Road
Florham Park, NJ
07932

Subject: Notification per PRN 98-10 – To remove the California restriction from silicone emulsions
Product Name: Troy MERGAL® K9N
EPA Registration Number: 5383-103
Application Date: April 25, 2016
Decision Number: 518017

Dear Ms. Golick:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you have any questions, you may contact Zebora Johnson at (703) 308-7080 or via email at johnson.zebora@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Julie Chao", with a stylized flourish at the end.

Julie Chao, Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

TROY MERGAL ® K9N

Industrial Microbiocide for Adhesives, Building Materials, Concrete Admixes, Emulsions, Pigment Dispersions, Paints and Coatings, Metal Working and Hydraulic Fluids**, Oil Field Injection Waters**, Household, Industrial and Janitorial Cleaning Products Including Floor Cleaners, Waxes, Polishes, and Surface Cleaners, Shampoos and Pre-spotters Laundry Additives including Liquid Laundry Detergents, Fabric Softeners, Silicone Emulsions and **Surfactants and Stain Removers.**

[Not registered for use in the State of California]**

MASTER LABEL

[Sub-label A: Industrial Microbiocide for Adhesives, Building Materials, Concrete Admixes, Emulsions, Pigment Dispersions, Paints and Coatings, Metal Working and Hydraulic Fluids**, Oil Field Injection Waters.**]**

[Sub-label B: Industrial Microbiocide for Household, Industrial and Janitorial Cleaning Products Including Floor Cleaners, Waxes, Polishes, and Surface Cleaners, Shampoos and Pre-spotters Laundry Additives including Liquid Laundry Detergents, Fabric Softeners, Silicone Emulsions and **Surfactants and Stain Removers.]

ACTIVE INGREDIENT:	 % Weight
5 Chloro-2-Methyl-4-isothiazolin-3-one.....	1.14%
2-Methyl-4-isothiazolin-3-one	0.36%
INERT INGREDIENTS.....	98.50%
TOTAL.....	100.00%

EPA Reg. No.	5383-103
EPA Establishment Number	5383-NJ-001

KEEP OUT OF REACH OF CHILDREN

DANGER

SOLD FOR INDUSTRIAL USE ONLY

See Side Panel for Additional Precautionary Statements

**IN CASE OF EMERGENCY:
CALL 1-800-424-9300**

Net Weight:

[Manufactured for / Produced for / Sold by:]

Troy Chemical Corporation

One Avenue L, Newark, N.J. 07105

MERGAL® and TROYGUARD® are registered trademarks

TROY MERGAL ® K9N

SUB-LABEL A

Industrial Microbiocide for Adhesives, Building Materials, Concrete Admixes, Emulsions, Pigment Dispersions, Paints and Coatings, Metal Working and Hydraulic Fluids**, Oil Field Injection Waters**.**

[Not registered for use in the State of California]**

TROY MERGAL® K9N

Industrial Microbiocide for Adhesives, Building Materials, Concrete Admixes, Emulsions, Pigment Dispersions, Paints and Coatings, Metal Working** and Hydraulic Fluids** and Oil Field Injection Waters**.

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, skin or clothing. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. This product may cause skin sensitization reactions in some people. Do not breathe vapor or spray mist. Wear goggles or face shield. Wear a mask or pesticide respirator approved by the National Institute for Occupational Safety and Health.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Mixers, loaders and others exposed to methylothiazolinone products must wear:

- Long-sleeve shirt and long pants
- Chemical-resistant apron
- Chemical-resistant gloves
- Shoes plus socks

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible wash thoroughly.

FIRST AID	
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

IF SWALLOWED:	• Call a poison control center or doctor for treatment advice. • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED:	• Move person to fresh air. • If person is not breathing call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN:	
Probable mucosal damage may contraindicate the use of gastric lavage.	

ENVIRONMENTAL HAZARDS

This chemical is toxic to terrestrial and aquatic plants, fish and aquatic invertebrates. 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.

DIRECTIONS FOR USE

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

Troy Mergal®K9N is a microbiocide that is effective against bacteria, yeast and mold. It is used as an industrial microbiocide for **adhesives, building materials, pigment dispersions, emulsions, paints and coatings.**

Troy Mergal®K9N is used to control bacteria and fungi in dispersed pigments such as kaolin clay, montmorillite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, and magnesium silicate used in paint and paper production. Typical emulsions include printing components (inks, resins, waxes, and surfactants). Building materials include mastics, caulks, joint cements, spackling, plasters and stuccos. Use as an in-can preservative in paints and coatings.

It is best if Troy Mergal®K9N is added to the initial phase of production; however, if excessive temperatures or pH values occur, addition at the end of the manufacturing process is recommended.

Typical usage rates are 0.05-0.40% (0.05-0.40 lbs. per 100 lbs of formulation) based on the total weight of the formulation.

Do not apply this product in a way that will contact workers or other persons.

For the control of slime-forming and sulfate reducing bacteria in **oil and gas field systems****, including **enhanced recovery injection fluids****, **drilling****, **fracturing**** and **completion fluids****, slug treat with 7-36 ppm depending on the severity of contamination. This product may be used for terrestrial and off-shore oil drilling muds and packer fluids. **Initial Dose**” Add 14-28 ppm (0.57– 1.2 gallon or 6.2 -12.5 pounds Troy Mergal®K9N per 1000 barrels of water) at a point in the system where it will be uniformly mixed. Repeat treatment after three days or as needed until control is achieved. **Subsequent dose**: Add 5.5-14 ppm (0.22-1.2 gallon or 2.4-6.2 pounds Troy Mergal®K9N per 1000 barrels of water) every 7 days or as needed to maintain control. [****Not registered for use in the State of California**]

For Metal Working** and Hydraulic Fluids** see attached Product Information Sheet. [****Not registered for use in the State of California**]

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Storage between 32°F (0°C) and 90°F (32°C) and is recommended.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, spray mixture, or rinsate 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: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.



PRODUCT INFORMATION SHEET

TROY MERGAL® K9N
EPA REG. NO. 5383-103

DIRECTIONS FOR USE

METALWORKING AND HYDRAULIC FLUIDS

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

Metalworking Fluids:** Recommended for the maintenance and control of bacteria in soluble and emulsifiable-type aqueous metalworking fluids.

Maintenance: For non-fouled systems use TROY MERGAL®K9N at 32 fluid ounces per 1000 gallon of emulsion (2 pound) every 4 weeks or 32-148 fluid ounces per 1000 gallon of emulsion (2-10 pound) every 8-12 weeks. This corresponds to 250-1,167 ppm TROY MERGAL®K9N (3.84-17.5 ppm active ingredient).

For fouled systems use an initial dose of 64-148 fluid ounces per 1000 gallon emulsion (4-10 pound) to be followed by subsequent maintenance dosages depending on the treatment interval already referenced. This corresponds to 500-1,167 ppm TROY MERGAL®K9N or 7.5-17.5 ppm active ingredient.

The preservative should be dispensed into the use-dilution of the metalworking fluid using a metering pump and uniformly dispersed throughout the system.

[**Not registered for use in the State of California]

Hydraulic Fluids:** Recommended for the manufacture and use of high water-based hydraulic fluids and invert emulsion hydraulic fluids typically prepared by emulsifying 40% by volume water in 60% by volume mineral oil using an oil-soluble emulsifying agent.

Maintenance: For non-fouled systems use TROY MERGAL®K9N at 110-135 fluid ounces (7.2-8.8 pound) per 1000 gallon fluid every 8 weeks. This corresponds to 980-1,200 ppm TROY MERGAL®K9N or 15-18 ppm active ingredient.

For fouled systems use an initial dose of 35-235 fluid ounces (8.8-15.4 pound) per 1000 gallon fluid to be followed by subsequent maintenance dosages. This corresponds to 1,200-2,100 ppm TROY MERGAL®K9N or (18-32 ppm active ingredient).

The preservative should be dispensed into the use-dilution of the metalworking fluid using a metering pump and uniformly dispersed throughout the system.

[**Not registered for use in the State of California]

TROY MERGAL ® K9N

SUB-LABEL B

Industrial Microbiocide for Household, Industrial and Janitorial Cleaning Products Including Floor Cleaners, Waxes, Polishes, and Surface Cleaners, Shampoos and Pre-spotters, Laundry Additives including Liquid Laundry Detergents, Fabric Softeners, Silicone Emulsions and **Surfactants and Stain Removers.

[Not registered for use in the State of California]**

TROY MERGAL® K9N

Industrial Microbiocide for Household, Industrial and Janitorial Cleaning Products Including Floor Cleaners, Waxes, Polishes, and Surface Cleaners, Shampoos and Pre-sporters, Laundry Additives including Liquid Laundry Detergents, Fabric Softeners, Silicone Emulsions and **Surfactants and Stain Removers.

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ACTIVE INGREDIENT:	% Weight
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2-Methyl-4-isothiazolin-3-one	0.36%
INERT INGREDIENTS	98.50%
TOTAL	100.00%

EPA Reg. No.

5383-103

EPA Establishment Number

5383-NJ-001

KEEP OUT OF REACH OF CHILDREN

DANGER

SOLD FOR INDUSTRIAL USE ONLY

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IN CASE OF EMERGENCY:

CALL 1-800-424-9300

Net Weight:

[Manufactured for / Produced for / Sold by:]

Troy Chemical Corporation

One Avenue L, Newark, N.J. 07105

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NOTIFICATION

5383-103

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

10/27/2016

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, skin or clothing. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. This product may cause skin sensitization reactions in some people. Do not breathe vapor or spray mist. Wear goggles or face shield. Wear a mask or pesticide respirator approved by the National Institute for Occupational Safety and Health.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Mixers, loaders and others exposed to methylothiazolinone products must wear:

- Long-sleeve shirt and long pants
- Chemical-resistant apron
- Chemical-resistant gloves
- Shoes plus socks

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible wash thoroughly.

FIRST AID	
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

IF SWALLOWED:	• Call a poison control center or doctor for treatment advice. • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED:	• Move person to fresh air. • If person is not breathing call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN:	
Probable mucosal damage may contraindicate the use of gastric lavage.	

ENVIRONMENTAL HAZARDS

This chemical is toxic to terrestrial and aquatic plants, fish and aquatic invertebrates. 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.

DIRECTIONS FOR USE

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Troy Mergal®K9N is a microbiocide that is effective against bacteria, yeast and mold.

It is best if Troy Mergal®K9N is added to the initial phase of production; however, if excessive temperatures or pH values occur, addition at the end of the manufacturing process is recommended.

For Household Industrial and Janitorial products use 0.05-0.15% (0.5-1.5 pounds per 1000 lbs. of product).

****Surfactants is not registered for use in the State of California**

Do not apply this product in a way that will contact workers or other persons.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Storage between 32°F (0°C) and 90°F (32°C) and is recommended.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, spray mixture, or rinsate 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: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

MM July 10, 2015