Nipacide CI

Industrial Microbiocide For Use In Metalworking Fluids, Metalcleaning Fluids, Hydraulic Fluids, Photoprocessing Systems, Dispersed Pigments, Adhesives, Tackifiers, Paints, Building Materials, And Polymer Latices

ACTIVE INGREDIENTS:

5-Chloro-2-methyl-4-isothiazolin-3-one	10.4%
2-Methyl-4-isothiazolin-3-one	3.7%
INERT INGREDIENTS:	85.9%
TOTAL:	100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call physician immediately.
IF ON SKIN: Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.
IF ON EYES: Flush with plenty of water for at least 15 minutes. Call a physician.
IF INHALED: Remove immediately to fresh air if not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call physician.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsions may be needed.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Manufactured by NIPA Hardwicke Inc.
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EPA Reg. No. 49403-24
EPA Est. No.

NET CONTENTS:

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JUL 27 1999
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 49403-24

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes eye damage and skin burns. May be harmful if inhaled. May be fatal if swallowed or absorbed through the skin. Do not get in eyes, on skin, on clothing. Avoid breathing vapor or mist. Avoid contamination of food. Do not take internally. This product may cause skin sensitization reactions in some people.

Personal Protective Equipment (PPE):
Mixers, loaders, and others exposed to methylisothiazolinone products must wear:

- -protective eyewear
- -chemical-resistant apron
- -long-sleeve shirt and long pants
- -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.
Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
Users should remove PPE immediately after handling this product. Wash the outside of glove before removing. As soon as possible, wash thoroughly.

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.

CONDITIONS OF SALE AND WARRANTY

NIPA Hardwicke warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. NIPA HARDWICKE MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage, and use of the product by Buyer or User are beyond the control of NIPA Hardwicke and Seller. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL NIPA HARDWICKE OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FORM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons.

METALWORKING FLUID PRESERVATION

Nipacide CI microbiocide is recommended for the control of bacteria and fungi in soluble and emulsifiable type aqueous metalworking fluids.

For the maintenance of a nonfouled system, use Nipacide CI microbiocide at 3.5 fluid ounces (0.3 lbs.) per 1000 gallons of emulsion every 4 weeks or 3.5-16 fluid ounces (0.3-1.3 lbs.) per 1000 gallons emulsion every 8-12 weeks. For a noticeably fouled system use an initial dose of 7-16 fluid ounces (0.6-1.3 lbs.) per 1000 gallons emulsion to be followed by subsequent maintenance dosages depending upon the treatment interval noted above. A higher dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of the preservative with makeup fluid the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

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

METAL CLEANING FLUID PRESERVATION

Nipacide CI microbiocide is recommended as a preservative for use in the manufacture and use of alkaline acid, and emulsion based metal cleaning fluids typically used in electroplating, phosphatizing, galvanizing and general metal cleaning operations.

For addition to a metal cleaning concentrate, add Nipacide CI microbiocide at a level to ensure that the final use-dilution fluid will contain 56 to 225 ppm product (6.25 to 25 ppm active isothiazolones).

For direct addition to a fouled system, add 7.2-29 fl. oz. (0.6-2.3 lbs.) of Nipacide CI microbiocide to each 1,000 gallons of use dilution metal cleaning fluid every 3-4 weeks to provide 56-225 ppm product (6.25-25 ppm active isothiazolones). A higher dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of the preservative with the make up fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

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

WATER-BASED HYDRAULIC FLUID PRESERVATION

Nipacide CI microbiocide is recommended as a preservative for use in 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 of mineral oil using an oil soluble emulsifying agent.

For the maintenance of non-fouled systems in the mining, primary steel, motor vehicle production, machinery production, construction industry, etc. use Nipacide CI microbiocide at 12-15 fluid ounces (1.0 - 1.2 lbs.) per 1,000 gallons fluid every eight (8) weeks. For a noticeably fouled system use an initial dose of 15-25 fluid ounces (1.2-2.0 lbs.) per 1,000 gallons liquid to be followed by subsequent maintenance dosage. A higher dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of the preservative with

make-up fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

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

COMMERCIAL PHOTOPROCESSING SYSTEM PRESERVATION

Nipacide CI microbiocide is recommended to prevent slime formation or accumulation in filters and ion exchange resin tanks of commercial photoprocessing systems.

For the maintenance of a non-fouled system use Nipacide CI microbiocide at 3.5-7.1 fluid ounces (0.29 lbs. to 0.57 lbs.) per 1,000 gallons of water in the system once weekly, or as needed to maintain control of slime. For a noticeable fouled system, use an initial dose of 7.1-17.1 fluid ounces (0.57 to 1.38 lbs.) per 1,000 gallons water to be followed by subsequent maintenance dosage. A higher dosage range and/or increase frequency of treatment may be required depending upon rate of dilution of preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

The preservative should be dispensed into the final rinse or used water collection tank.

DISPERSED PIGMENT PRESERVATION

Nipacide CI microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin clay, montmorillite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate, and kieselguhr used in paint and paper productions.

Add 0.056-0.225 lbs. of Nipacide CI microbiocide (25-102 g) to each 1,000 lbs. (453 Kg) of fluid to provide 56 to 225 ppm product (6.25 to 25 ppm active isothiazolones).

ADHESIVE AND TACKIFIER PRESERVATION

Nipacide CI microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in water soluble and water dispersed adhesives such as animal glues, vegetable glues, natural rubber latices, polyvinyl acetate, styrene-butadiene, and acrylic latices. Nipacide CI microbiocide is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins.

Add 0.056-0.225 lbs. of Nipacide CI microbiocide (25-102 g) to each 1,000 lbs. (453 Kg) of fluid to provide 56 to 225 ppm product (6.25 to 25 ppm active isothiazolones).

BUILDING MATERIAL PRESERVATION

Nipacide CI microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in building materials such as mastics, caulks, joint cements, spackling, and grouting.

Add 0.056-0.225 lbs. of Nipacide CI microbiocide (25-102 g) to each 1,000 lbs. (453 Kg) of fluid to provide 56 to 225 ppm product (6.25 to 25 ppm active isothiazolones).

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POLYMER LATEX PRESERVATION

Nipacide CI microbiocide is recommended for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer latices including: acrylic; styrene/butadiene; carboxylated styrene/butadiene; ethylene/vinyl acetate; and biopolymers intended for industrial use, such as xanthum gum, gum arabic, guar gum, protein derived polymers, starches, and casein derived polymers.

Add 0.056 - 0.45 lbs. of Nipacide CI microbiocide (25-204 g) to each 1,000 lbs. (453 Kg) of emulsion to provide 56 to 450 ppm product (6.25 to 50 ppm active isothiazolones).

NOTE: To insure uniform mixing, add Nipacide CI microbiocide to latex or solutions slowly with agitation. The actual concentrations required will depend upon such factors as the specific substance to be treated, frequency of repeated microbial contamination expected, and level of protection required.

Nipacide CI microbiocide weight 10.4 pounds per gallon.

STORAGE AND DISPOSAL

PROHIBITIONS

This product as supplied evolves gas (largely carbon dioxide) slowly. To prevent build up of pressure the product is packaged in specially vented containers. keep this product in the original container when not in use. Container must be stored in an upright position to prevent spilling the contents through the vent. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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

METAL CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.
PLASTIC CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerator, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL

CONSULT FEDERAL, STATE, OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

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