

43813-48

1/18/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D C 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Janssen PMP
1125 Trenton Harbourton Road
Titusville NJ 08560 0200

JAN 18 2012

Attention William R Goodwine
Regulatory Manager

Subject Sodium PYRION 40% Aqueous Solution Industrial Fungicide and Bactericide
EPA Reg No 43813 48
Application Dated October 17 2011

The amendment referred to above submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act as amended is acceptable The Agency has no objection to the revising of your label to reflect changes to the use directions A stamped copy of the label is enclosed for your records

If you have any questions concerning this letter please contact Demson Fuller at (703) 308 8062

Sincerely

A handwritten signature in black ink that reads "M Swindell".

Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510C)

**SODIUM PYRION® 40% AQUEOUS SOLUTION
INDUSTRIAL FUNGICIDE & BACTERICIDE**

Active Ingredient	
Sodium pyrithione (Sodium 2-pyridinethiol-1 -oxide)	40%
<u>Inert Ingredients</u>	<u>60%</u>
Total	100%

KEEP OUT OF REACH OF CHILDREN

WARNING

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 first 5 minutes then continue rinsing eye Call a poison control center or doctor for treatment advice
If swallowed	Call a poison control center or doctor immediately 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 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 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
HOT LINE NUMBER	
For information on this pesticide product (including health concerns medical emergencies or pesticide incidents) call the National Pesticide Telecommunications Information Center at 1 800 858 7378 For chemical emergency assistance (spill leak fire or accident) call Chem Trec at 1 800 424 9300	
Have the product container or label with you when calling a poison control center or doctor or going for treatment	
NOTE TO PHYSICIAN	
Convulsions if persistent may be controlled by careful intravenous use of short acting barbiturates Probable mucosal damage may contraindicate the use of gastric lavage	

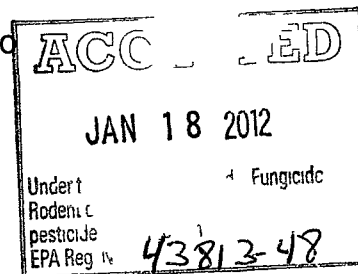
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EPA Reg No 43813 48

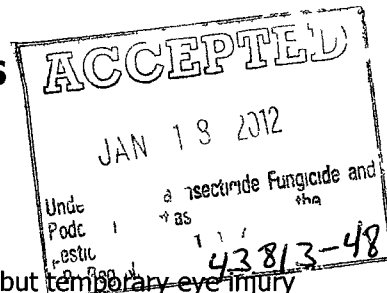
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Manufactured for

JANSSEN PMP
a Division of Janssen Pharmaceutica NV
1125 Trenton Harbourton Road
Titusville, NJ 08560



PRECAUTIONARY STATEMENTS



HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if absorbed through skin or inhaled Causes substantial but temporary eye injury
 Harmful if swallowed Do not get in eyes on skin or on clothing Do not breathe spray mist
 Remove contaminated clothing and wash clothing before reuse

PERSONAL PROTECTIVE EQUIPMENT [PPE]

Applicators and other handlers must wear goggles or face shield long sleeved shirt and long pants socks and shoes, chemical resistant gloves (such as rubber or waterproof gloves)

USER SAFETY REQUIREMENTS

Follow manufacturer s instructions for cleaning/maintaining PPE If no such instructions exist for washables 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 PPE immediately after handling this product Wash the outside of gloves before removing

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates Do not discharge effluent containing this product into lakes ponds streams estuaries oceans or public 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 our State Water Board or Regional Office of the EPA This pesticide is a chelating agent and should not be used with other chelating agents or with chlorine

CHEMICAL HAZARDS

Do not store or mix with strong oxidizing agents

STORAGE AND DISPOSAL Do not contaminate water, food or feed by storage or disposal

PESTICIDE STORAGE & DISPOSAL Do not store above 130°F (55°C) Keep container tightly closed when not in use Do not store with strong oxidizing agents Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility

CONTAINER DISPOSAL Non refillable container Do not reuse or refill this container Triple rinse container (or equivalent) 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 Offer for recycling 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

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 Do not use for applications involving direct or indirect food/drinking water contact

IN AQUEOUS BASED FLUIDS SUCH AS METAL WORKING, CUTTING, COOLING AND LUBRICATING FLUIDS

To inhibit the growth of fungi and bacteria causing stains odors or degradation of the physical properties of the fluid add an initial dose of up to 1250 ppm of this product (1.25 lbs of this product to 1,000 lbs of solution) to the solution by pouring from container and subsequent maintenance doses of up to 1250 ppm (1.25 lbs of this product per 1,000 lbs of solution) every 7-10 days or as needed This product can be used at fluid to water ratios of 1:10 to 1:100 This product can be used at fluid to water ratios of 1:10 to 1:100 This product may be added to the fluid at the time it is prepared (diluted) or to the reservoir (sump) containing the fluid after it is put into use If it is added to the reservoir the fluid should be circulated after addition to ensure mixing Contaminated fluid systems should be cleaned prior to the initial addition of this product Drain the system clean with cleaner designed for this purpose rinse with water and refill with fresh fluid containing this product (up to 1250 ppm) Frequent checks (at least once a week) of the bacterial and fungal population in the system should be made using standard microbiological plate count procedures or any of the commercial dip stick type devices When the bacterial count reaches 10^7 and/or the fungal count reaches 10^3 organisms per ml add additional product according to the above directions If this does not reduce the bacterial and/or fungal count below the above value in 12-24 hrs the fluid should be discarded and replaced after cleaning the system Add this product to the fresh fluid according to the above directions When adding fresh diluted fluid to compensate for drag out or other losses add this product to make up fluid according to the above directions

TO INHIBIT THE GROWTH OF BACTERIA AND FUNGI CAUSING STAINS, ODORS, OR DEGRADATION OF THE PHYSICAL PROPERTIES IN METALWORKING, CUTTING, COOLING AND LUBRICATING FLUID CONCENTRATES

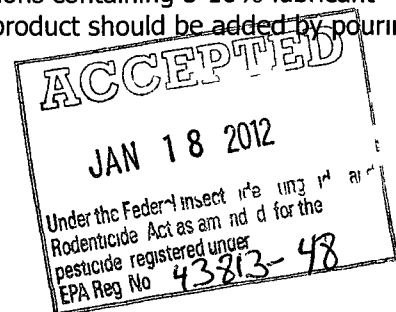
Add an amount that will give up to a 1250 ppm solution The amount required in the concentrate will depend on the end use dilution For example If the desired level of this product is 1250 ppm and the end use dilution of the fluid is 5% then a 2.5% concentration of this product is required in the concentrate ($1250 \text{ ppm} / 0.05 = 25,000 \text{ ppm}$ or 2.5%)

FOR THE IN CAN PRESERVATION OF LATEX EMULSIONS USED IN ADHESIVES, CAULKS, PATCHING COMPOUNDS, SEALANTS, PASTES AND GROUTS

To inhibit bacterial growth causing stains odors or degradation of the physical properties in latex emulsions for a period of up to 1 year a dosage of up to 1000 ppm of this product (1 lb of this product per 1,000 lbs of emulsion) is recommended Product may be added at any time during the formulation procedure by pouring from the container

IN AQUEOUS SYNTHETIC FIBER LUBRICANTS (SPIN FINISHES)

To inhibit the growth of bacteria and the formation of bacterial slime causing stains odors or degradation of the physical properties in synthetic fiber lubricants (spin finishes) for periods of 2-4 weeks during use, add 1250 ppm (1.25 lbs per 1,000 lbs of lubricant) of this product to the diluted lubricant This product may be used in lubricant solutions containing 5-10% lubricant concentrate (water to lubricant ratios of 20:1 to 10:1) This product should be added by pouring from the container to the diluted lubricant in the dilution tank



IN AQUEOUS BASED INKS

To inhibit the growth of bacteria and fungi causing stains, odors or degradation of the physical properties in inks such as aqueous based inks, printing solutions pigment slurries or press cake add up to 1250 ppm of this product While the inks are in use a concentration of 0.125% w/w of this product is necessary The amount of this product to be added at the time of manufacture of the ink to obtain the above concentrations at the time of use will vary with the shelf life of the ink The table below shows the relationship

Shelf Life Ink (months)	% Sodium PYRION 40%
36	1.25
24	0.65
18	0.475
12	0.3125
8	0.25

To inhibit the growth of bacteria causing stains odors or degradation of the physical properties in neutral or slightly acidic aqueous based jet printer inks for periods of up to 4 weeks while the inks are in use add 0.75% w/w of this product to the ink at the time of manufacture To avoid decomposition of this product during shelf life of the ink airtight packaging must be used In all cases, this product may be added to the ink at any point in the manufacturing process by pouring from the container

FOR THE DRY FILM PRESERVATION OF NATURAL AND SYNTHETIC ADHESIVES, LATEXES, URETHANE FOAMS, CELLULOSICS, CAULKS, PATCHING COMPOUNDS, SEALANTS, ARCHITECTURAL PAINTS, INDUSTRIAL PAINTS AND COATINGS (Including wood coatings), PASTES AND GROUTS

Addition of up to 12500 ppm (12.5 lbs of this product per 1000 lbs of formulation) of the active ingredient can inhibit the growth of bacteria and fungi causing stains, odors or degradation of the physical properties of the dry film of these products This product can be added at any time during the formulation procedure For example sheet vinyl adhesives used in the installation of vinyl flooring can be preserved by the addition of 5200 ppm of this product (5.2 lbs per 1000 lbs of adhesive)

FOR THE IN CAN PRESERVATION OF LAUNDRY RINSE ADDITIVES, LAUNDRY DETERGENTS, CARPET CLEANERS, SURFACE CLEANERS, FLOOR CLEANERS

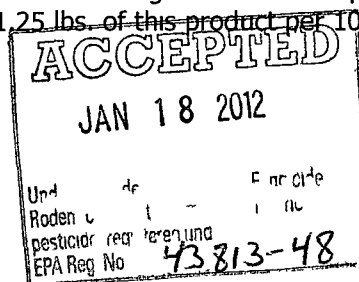
To inhibit the growth of bacteria and fungi causing stains odors or degradation of the physical properties in these products for periods of up to one year add 0.16% w/w (1600 ppm or 1.6 lbs of this product per 1000 lbs of formulation) This product can be added at any time during the formulation procedure

FOR THE IN CAN PRESERVATION OF WATER BASED CHEMICAL OR MINERAL ADD MIXTURES THAT ARE USED IN CONCRETE

Addition of up to 1000 ppm of this product can inhibit the growth of bacteria and fungi causing stains odors or degradation of the physical properties of the add mixtures Add mixtures can be preserved by addition of 1000 ppm of this product (1.0 lb of this product per 1000 lbs of add mixture)

FOR THE PRESERVATION OF AQUEOUS ANALYTICAL AND DIAGNOSTIC REAGENTS USED IN CHEMICAL AND CLINICAL ANALYSIS

Addition of up to 1250 ppm of this product can inhibit the growth of bacteria and fungi causing stains odors or degradation of the physical properties in aqueous analytical and diagnostic reagents (1.25 lbs. of this product per 1000 lbs of reagent)



FOR THE PROTECTION OF GYPSUM WALLBOARD Addition of up to 9600 ppm of this product (9.6 lbs of product per 1000 lbs of the formulation, i.e. wet slurry) will inhibit the growth of fungi causing stains, odors or degradation of the physical properties on or in gypsum wallboard. Sodium PYRION 40% Aqueous Solution can be added at any time during the formulation procedure. For example, to control the growth of these fungi in gypsum & drywall add a minimum of 1000 ppm of this product (1.0 lb of product per 1000 lbs of formulation).

Preservation of Carrageenan Based Gels Used to Produce Solid Air Fresheners
Add 0.03 – 0.1% of this product (0.03 – 0.1 lb /100 lbs of formulation) to control the growth of fungi causing stains odors or degradation of the physical properties of the gels. Add this product into the gel formulation prior to cooling.

To Protect Dry Wall and Gypsum, Pearlite, Plaster Like, Mineral Based, or Cellulose Derived Building Materials Used in the Manufacture of Ceilings, Ceiling Tile, Walls and Partitions Addition of up to 9600 ppm of this product (9.6 lbs of product per 1000 lbs of the formulation i.e. wet slurry) will inhibit the growth of bacteria and fungi causing stains odors or degradation of the physical properties of the building materials. It can be added at any time during the formulation procedure. Alternatively the product may be added to latex or other types of coating systems routinely applied to the surfaces of walls ceiling tiles partitions etc at the same dosage as above.

LEATHER PRESERVATION Sodium PYRION 40% Aqueous Solution is used at treatment rates of 0.02% to 1.0% based on the weight of the leather stock to prevent the growth of bacteria or fungi causing stains odors or degradation of the physical properties of the hides and skins. The application level is dependent on the type of hide or leather to be protected the length of protection desired and the presence of other constituents in the processing formula. The optimum addition should be determined by trial for each individual application. For soaking raw hides this product should be added to the water to be used for soaking. For treating hides cured with dry salt this product should be applied to the hides or should be mixed with the salt before it is applied to the hides. This product can be used for the protection of wet leather stock such as pickled chrome chrome alternative metal free and vegetable tanned leathers from mold and mildew during in tannery wet processing and for the protection of wet blue during long storage and transportation times. Treatment rates should be calculated based on the wet hide weight or wet blue weight and compatibility with chrome solutions or other treatment chemicals should be confirmed prior to trial.

NOTICE OF WARRANTY

Janssen PMP a Division of Janssen Pharmaceutica NV warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with the directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions presence of other materials or the manner of use or application all of which are beyond the control of Janssen PMP. To the extent permitted by law Janssen PMP disclaims any liability for consequential special or indirect damages resulting from the use handling application storage or disposal of this product or for damages in the nature of penalties and the buyer and user waive any right that they may have to such damages. **To the extent consistent with applicable law, Janssen PMP makes no warranties of merchantability or of fitness for a particular purpose or any other express or implied warranty except as stated above.**

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PMP October 17 2011

