



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

2568-105

Date of Issuance:

5/13/19

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

SeaForce 9900 1A

Name and Address of Registrant (include ZIP Code):

Cristina Griffin
Agent for
Jotun Paints, Inc.
12510 Prosperity Drive, Suite 160
Silver Spring, MD 20904

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.


On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:


Eric Miederhoff, Product Manager 31
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Date:

5/13/19

2. You are required to comply with the data requirements described in the DCI identified below:
 - a. Cuprous oxide GDCI-025601-1257

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI or EDSP Order listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 2568-105.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

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 fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 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. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 2/26/2018
- Alternate CSFs 1-7 dated 2/26/2018

If you have any questions, please contact Tara Flint via email at flint.tara@epa.gov or Eric Miederhoff at Miederhoff.eric@epa.gov.

Enclosure

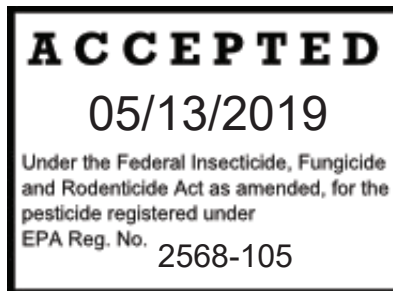
RESTRICTED USE PESTICIDE

DUE TO INHALATION TOXICITY AND TOXICITY TO NONTARGET AQUATIC ORGANISMS.

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

SEAFORCE 9900 1A

ACTIVE INGREDIENTS:	
CUPROUS OXIDE.....	35.0%*
COPPER PYRITHIONE.....	2.9%
OTHER INGREDIENTS.....	62.1%**
TOTAL:	100.0%



* METALLIC COPPER EQUIVALENT: 31.1%

** CONTAINS PETROLEUM DISTILLATES, XYLENE, OR XYLENE RANGE AROMATIC SOLVENTS.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

ONLY FOR USE ON VESSELS GREATER THAN 25 METERS (82 FEET) IN LENGTH.

SEE SIDE PANELS FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 2568-
EPA Est. No. 2568-LA-001

JOTUN PAINTS, INC.
9203 HIGHWAY 23
BELLE CHASSE, LA 70037

NET _____

[Information in brackets is optional or instructional]

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, and then continue rinsing. Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. 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 poison control center or a doctor for further treatment advice.
Note to Physician: Contains petroleum distillates. Vomiting may cause aspiration pneumonia.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For general information call the National Pesticides Information Center at 1-800-858-7378. For emergencies, call the poison control center 1-800-222-1222.	

[First Aid may be in paragraph form]

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION. Causes moderate eye irritation. Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

<p>The following PPE must be worn when applying this product:</p> <ul style="list-style-type: none"> • SPRAY APPLICATORS shall wear NIOSH approved continuous flow supplied air or powered air purifying respirators equipped with a hood that covers the face, neck and shoulders. The powered air purifying respirator shall be used with an organic vapor cartridge and a high efficiency (HEPA) pre-filter. The spray applicators shall wear safety glasses underneath the hood respirator. • LINE TENDERS AND POT TENDERS shall wear NIOSH approved elastomeric half or full face air purifying respirators with organic vapor cartridges and P100 pre-filters. Line tenders who are dispensing the hose to spray applicators and pot tenders who load the antifouling paint to the compressor must wear either a PF10 (half face respirator) or Full Face Respirator. The line tenders and pot tenders shall wear shielded safety glasses or goggles if the half face respirators are worn. Safety glasses or goggles are not required if full face respirators are worn. • SPRAY APPLICATORS, LINE TENDERS AND POT TENDERS shall wear long-sleeve shirt and long pants, chemical resistant gloves, shoes and socks.

USER SAFETY RECOMMENDATIONS:

WASH THE OUTSIDE OF GLOVES BEFORE REMOVING
--

APPLICATION / ENTRY Do not apply this product in a way that will expose workers or other persons, either directly or through drift. Only protected handlers may be in area during application. Do not enter or allow others to enter until sprays have dried.

ENVIRONMENTAL HAZARDS

This material is toxic to fish and aquatic invertebrates. Do not apply directly to water by cleaning of equipment or disposal of wastes. Do not allow chips and dust generated during paint removal to enter water. Dispose of paint debris in an approved landfill. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans and other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or regional office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Flammable. Keep away from heat and open flame.

STORAGE AND DISPOSAL

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

Storage: Keep the container in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, 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 Handling: *Non-Refillable Container.* Do not reuse or refill this container. Prior to container disposal, allow any remaining paint residue in the container to air dry. Dispose of the container in accordance with Federal, State, or Local disposal regulations.

DIRECTIONS FOR USE

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

Only For Use on Vessels Greater Than 25 Meters (82 Feet) In Length.

ANTIFOULING FOR METAL BOTTOMS

To control the attachment of marine fouling, i.e., barnacles, grass, algae, tube worms, mussels, and snails on hulls of boats and vessels in all waters which would sustain such growth. When used on aluminum hulls, a barrier coat of two coats of epoxy coating attaining at least 10 MILS DFT must be applied first. Consult with your representative for specific barrier recommendations. A minimum of two coats of this product is recommended for best performance.

SURFACE PREPARATION

Before application of antifouling, all surfaces must be dry and cleaned of dirt, dust, oil, rust, loose paint, salt residues and other contaminants. Steel must be coated with a suitable primer or anti-corrosive barrier coats.

MIXING

Before use, power mix the paint until the product is uniform.

APPLICATION

Apply by brush, roller, or airless spray. For brush and roller, care must be taken to achieve the specified dry film thickness. For airless spray, the following is suggested: NOZZLE TIP (INCH/100) = 21-31; PRESSURE AT NOZZLE (MINIMUM) =150 BAR / 2100 PSI.

THINNING

Normally no thinning is required. Where thinning is necessary use Jotun Thinner 7.

DRY TIME

At 70°F and 50% R.H. allow at least 7 hours dry time between coats, and a minimum of 10 hours before launching.

Refer to the technical data sheet for additional application details and the safety data sheet for further safety and handling information.

THE VOC OF THIS PAINT IS 385 GRAMS/LITER (3.21 LBS/GAL)

BATCH _____

D.O.T. SHIPPING NAME: PAINT

D.O.T. HAZARD CLASS: FLAMMABLE LIQUID

HAZARD ID NO.: UN1263

[Information in brackets is optional or instructional]

4/30/19

COLLATERAL LABELING

SeaForce 9900 1A

Product description

This is a one component acrylic, hydrolysing antifouling coating based on ion exchange technology. It provides very good fouling protection and improved hull performance. This is achieved through self polishing characteristics reducing hull deterioration, friction and speed loss. To be used as finish coat in immersed environments only. Suitable on approved primers and tie coats on aluminium and carbon steel substrates. It can be applied at sub zero surface temperatures.

Typical use

Recommended for under water hull in newbuilding and drydocking. Designed as an efficient solution for vessels trading at a wide range of speed and activity. The product can be used for long service periods up to 60 months as a part of a complete coating system.

Typical trade

Suitable for vessels operating in coastal as well as deep sea trade.

Approvals and certificates

Compliant with IMO Antifouling System Convention AFS/CONF/26.

Additional certificates and approvals may be available on request.

Colours

light red, dark red, blue, black

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	58 ± 2 %
Flash point	ISO 3679 Method 1	29 °C
Density	calculated	1,8 kg/l
VOC-US/Hong Kong	US EPA method 24 (tested) (CARB(SCM)2007, SCAQMD rule 1113, Hong Kong)	385 g/l
VOC-EU	IED (2010/75/EU) (theoretical)	385 g/l

The provided data is typical for factory produced products, subject to slight variation depending on colour.

Film thickness per coat

Typical recommended specification range

Dry film thickness	75 - 175	µm
Wet film thickness	130 - 300	µm
Theoretical spreading rate	7,7 - 3,3	m ² /l

Surface preparation

To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination.

Surface preparation summary table

Substrate	Surface preparation	
	Minimum	Recommended
Coated surfaces	<p>New tie coat or new antifouling: Remove any contamination that could interfere with the intercoat adhesion. Exceeding maximum recoat intervals will require cleaning/abrading and/or application of additional coats, depending on condition.</p> <p>Aged antifouling with leached layer: Removal by thorough fresh water washing at minimum nozzle pressure 200 bar.</p>	<p>New tie coat or new antifouling: Remove any contamination that could interfere with the intercoat adhesion. Exceeding maximum recoat intervals will require cleaning/abrading and/or application of additional coats, depending on condition.</p> <p>Aged antifouling with leached layer: Removal by thorough fresh water washing at minimum nozzle pressure 340 bar.</p>

Application

Application methods

The product can be applied by

Spray:	Use airless spray.
Brush:	May be used. Care must be taken to achieve the specified dry film thickness.
Roller:	May be used. Care must be taken to achieve the specified dry film thickness.

Product mixing

Single pack

Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 7

Guiding data for airless spray

Nozzle tip (inch/1000): 21-31
Pressure at nozzle (minimum): 150 bar/2100 psi

Drying and Curing time

Substrate temperature	-10 °C	0 °C	5 °C	10 °C	23 °C	40 °C
Surface (touch) dry	5 h	3 h	1 h	45 min	30 min	30 min
Dry to over coat, minimum	48 h	36 h	12 h	9 h	7 h	6 h
Dried/cured for immersion	48 h	36 h	12 h	12 h	10 h	8 h

For maximum overcoating intervals, refer to the Application Guide (AG) for this product.

Drying and curing times are determined under controlled temperatures and relative humidity below 85%, and at the typical DFT for the product.

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Dry to over coat, minimum: The recommended shortest time before the next coat can be applied.

Dried/cured for immersion: Minimum time before the coating can be permanently immersed in sea water.

Recommended type of primer

Anticorrosive primer system suitable for purpose. Recommended tie coat for the subsequent antifouling coat is:
Safeguard Universal ES
or
Safeguard Plus

Packaging (typical)

	Volume (litres)	Size of containers (litres)
SeaForce 9900 1A	20	20

The volume stated is for factory made colours. Note that local variants in pack size and filled volumes can vary due to local regulations.

Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 23 °C

SeaForce 9900 1A

12 month(s)

In some markets commercial shelf life can be dictated shorter by local legislation. The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

Caution

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Jotun's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Jotun representative for approval before commencing the work.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Colour variation

When applicable, products primarily meant for use as primers or antifoulings may have slight colour variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.