1. Product and Company Identifaction

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Product Name Disinfectant for Poultry Farms

Part Number RXSOL-97-1191-025

Company Details:

RX MARINE INTERNATIONAL 105, A wing , BSEL , TECH PARK. VASHI ,NEW BOMBAY 400703 INDIA

Branch: Kandla, Mumbai, Chennai, Vizag, Kolkata, Fujairah UAE, Muscat Oman, Kenya, Canada

Phone +91 22 27815540 / 41 / 42

Fax +91 22 2781 1318 :::AOH :0091 9821214367

Email123@rxmarine.comWebsitewww.rxmarine.com

2. Composition / Information on ingredients

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Component CAS-No. Weight % Formaldehyde 50-00-0 37 - 40 Methyl alcohol 67-56-1 05 - 10% Proprietary Blend of Antifoulants, disinfeectants - > 50%

and stabilized surfactants

Precautionary statements

3. Hazards Identification

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Signal Word Danger

Hazard Statements Flammable liquid and vapor

Toxic if swallowed Toxic in contact with skin

Causes severe skin burns and eye damage May cause an allergic skin reaction

Toxic if inhaled

May cause respiratory irritation May cause drowsiness or dizziness Suspected of causing genetic defects

May cause cancer Causes damage to organs

Causes damage to organs through prolonged or repeated exposure

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product Use only outdoors or in a well-ventilated area Do not breathe dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/lighting/equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Keep cool

Response Immediately call a POISON CENTER or doctor/physician

Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position

comfortable for breathing

Skin Wash contaminated clothing before reuse

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get

medical advice/attention.

Eyes IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

Ingestion Rinse mouth. Do NOT induce vomiting.

Fire In case of fire: Use CO2, dry chemical, or foam for extinction

Storage Store locked up. Store in a well-ventilated place. Keep container tightly

closed

Disposal Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified None identified

Other hazards Poison, may be fatal or cause blindness if swallowed. Vapor harmful.

Cannot be made non-poisonous.

4. First Aid Measures

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General Advice Immediate medical attention is required. Show this safety data sheet to

the doctor in attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least

15 minutes. In the case of contact with eyes, rinse immediately with

plenty of water and seek medical advice.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes.

Immediate medical attention is required.

Inhalation If breathing is difficult, give oxygen. Do not use mouth-to-mouth method

if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Move to fresh air. Immediate medical

attention is required.

Ingestion Do not induce vomiting. Call a physician or Poison Control Center

immediately.

Most important symptoms and effects Breathing difficulties. Causes burns by all exposure routes. May cause

allergic skin reaction. . Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting: Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation: Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest

pain, muscle pain or flushing

Notes to Physician Treat symptomatically

5. Fire-fighting Measures

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Suitable extinguishing media Cool closed containers exposed to fire with water spray.

Unsuitable Extinguishing Media No information available

Flash Point 50 °C / 122 °F

Method No information available

Autoignition Temperature No information available Explosion Limits Upper No data available

Lower No data available

Specific Hazards Arising from the Chemical

Sensitivity to Mechanical Impact No information available Sensitivity to Static Discharge No information available

Flammable. Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products Hydrogen Formaldehyde

Thermal decomposition can lead to release of irritating gases and vapors. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

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Personal Precautions Use personal protective equipment. Evacuate personnel to safe areas.

> Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures

against static discharges.

Environmental Precaution Should not be released into the environment. Do not flush into surface

water or sanitary sewer system. See Section 12 for additional ecological

information.

Methods for Containment and Clean Up Soak up with inert absorbent material. Keep in suitable, closed containers

for disposal. Remove all sources of ignition. Use spark-proof tools and

explosion-proof equipment.

7. Handling and Storage

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Handling Use only under a chemical fume hood. Do not breathe vapors or spray

> mist. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment. Do not ingest. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Take precautionary

measures against static discharges.

Keep containers tightly closed in a dry, cool and well-ventilated place. Storage

Corrosives area. Keep away from heat and sources of ignition.

8. Exposure controls and personal protection

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Use only under a chemical fume hood. Ensure that eyewash stations and **Engineering Measures**

safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting/equipment. Ensure adequate ventilation,

especially in confined areas.

Eye/face Protection Tightly fitting safety goggles. Face-shield.

Wear appropriate protective gloves and clothing to prevent skin exposure.

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation

or other symptoms are experienced.

Handle in accordance with good industrial hygiene and safety practice.



Personal protective equipment

Skin and body protection

Respiratory protection

Hygiene Measures

Protective Equipment and Precautions for Firefighters



Gloves Suit

9. Physical and chemical properties

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Physical StateLiquidAppearanceColorlessOdourPungent

Odour Threshold No information available pH No information available

Melting point/freezing point $0 \, ^{\circ}\text{C / } 32 \, ^{\circ}\text{F}$ Initial boiling point and boiling range $101 \, ^{\circ}\text{C / } 213.8 \, ^{\circ}\text{F}$ Flash point $50 \, ^{\circ}\text{C / } 122 \, ^{\circ}\text{F}$

Evapouration rate No information available
Flammability (solid, gas)
Upper No data available
Lower No data available
Vapour pressure
No information available

Vapour density > 1.0

Specific Gravity

No Data Available

Solubility Miscible

Partition coefficient; n-octanol/water

Autoignition Temperature

Decomposition Temperature

No Data Available

No Data Available

No Data Available

No information available

10. Stability and reactivity

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Reactive Hazard None known, based on information available

Chemical stability Stable under normal conditions.

Conditions to avoid Incompatible products. Excess heat. Keep away from open flames, hot

surfaces and sources of ignition.

Incompatible materials Strong oxidizing agents, Strong bases, nitriles, Acids, Isocyanates, Acid

anhydrides, Metals, Acid chlorides.

Hazardous decomposition products Hydrogen, Formaldehyde

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

11. Toxicological information

Toxicologically Synergistic Products

Irritation

Sensitization

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Product Information Oral LD50 Category 3. ATE = 50 - 300 mg/kg. Dermal LD50 Category 3.

ATE = 200 - 1000 mg/kg. Vapor LC50 Category 3. ATE = 2 - 10 mg/l.

No information available

Causes burns by all exposure routes.

May cause sensitization by skin contact

Carcinogenicity The table below indicates whether each agency has listed any ingredient as

a carcinogen.

Mutagenic Effects Mutagenic effects have occurred in humans.

Reproductive Effects Experiments have shown reproductive toxicity effects on laboratory

animals.

Developmental Effects Developmental effects have occurred in experimental animals.

Component substance is listed on California Proposition 65 as a

developmental hazard.

Teratogenicity Teratogenic effects have occurred in experimental animals.

STOT-Single exposure Respiratory system Central nervous system (CNS) Optic nerve

STOT-Repeated exposure Kidney Liver Heart spleen Blood

Aspiration hazard No information available

Symptoms / effects, both acute and delayed Symptoms of overexposure may be headache, dizziness, tiredness, nausea

and vomiting: Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation: Symptomsof allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or

flushing

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

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Ecotoxicity Do not empty into drains. The product contains following substances

which are hazardous for the environment.

Persistence and degradability Miscible with water Persistence is unlikely based on information

available.

Bioaccumulative potential No information available.

Mobility in soil Will likely be mobile in the environment due to its water solubility.

13. Disposal considerations

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Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

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DOT

UN number UN1198

UN proper shipping name FORMALDEHYDE SOLUTIONS, FLAMMABLE

Hazard Class 3
Subsidiary Hazard Class 8
Packing Group III

TDG

UN number UN1198

UN proper shipping name FORMALDEHYDE SOLUTIONS, FLAMMABLE

Hazard Class 3
Subsidiary Hazard Class 8
Packing Group III

IATA

UN number UN1198

UN proper shipping name FORMALDEHYDE SOLUTIONS, FLAMMABLE

Hazard Class 3
Subsidiary Hazard Class 8
Packing Group III

IMDG/IMO

UN number UN1198

UN proper shipping name FORMALDEHYDE SOLUTIONS, FLAMMABLE

Hazard Class 3
Subsidiary Hazard Class 8
Packing Group III

15. Regulatory information

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TSCA 12(b) Notices of Export Not applicable

SARA 313 No data availble

SARA 311/312 Hazard Categories See section 2 for more information Hazard Categories See section 2 for more information

CWA (Clean Water Act)

No data availble

Clean Air Act No data availble

OSHA Occupational Safety and Health Administration

CERCLA This material, as supplied, contains one or more substances regulated as a

hazardous

substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) 65 This product contains the following proposition 65 chemicals

California Proposition 65 This product contains the following proposition 65 chemic

U.S. Department of Transportation Reportable Quantity (RQ): Y

DOT Marine Pollutant N
DOT Severe Marine Pollutant N

Other International Regulations Mexico - Grade Moderate risk, Grade 2

16. Other information

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Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.

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