Material Safety Data Sheet

Biocide 7000 (RXSOL-41-8999-025)

1. Product and Company Identifaction

Product Name	BIOCIDE 7000
Product Type	**RXSOL-41-8999-025**

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Vizag, Fujairah, Muscat

Phone	+91 22 65113333/ 5555 / 9999 / 27611360 / 27815540
Fax	+91 22 2781 1318+91 22 2781 1318 :::AOH :0091 9322594669
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Non-hazardous:
Pigmented Latex emulsion coating comprised of water, pigments, fillers, additives, and latex emulsion resin.
Hazardous:

Chemical Name	CAS#	Percent	Exposure Limits
1 - Titanium dioxide	13463-67-7	25.0	ACGIH TLV 10 mg/m3 as Dust OSHA PEL 10 mg/m3 as Total Dust 5 mg/m3 Respirable Fraction
2 - Proprietary biocide*	N/A	0.10	Not Established

Note: Normal application procedures pose no hazard since titanium dioxide is wetted and encapsulated, but grinding or sanding dried films of this product may yield respirable titanium dioxide dust. Control exposures to less than 0.1 mg/m3 using NIOSH-approved dust filter respirators. Note: Per 29CFR 1910.1200 (g) (2) (1) (C) (2), only hazardous substances present in excess of 1.0% by weight (or 0.1% for carcinogens) must be listed on an MSDS.

3. Hazards Identification

Emergency Overview:

Product Description: This product is a pigmented liquid.

Health Hazards:

Eyes: May cause slight irritation.

Skin: Substance may cause slight skin irritation.

Inhalation: May cause irritation of respiratory tract.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, and vomitting.

Flammability Hazards: This product is not flammable. If this product is involved in a fire, the decomposition products generated will include irritating vapors and gases and some carbon monoxide.

Reactivity Hazards: This product is not reactive.

Environmental Hazards: Although release of this product to the environment is not expected to cause significant adverse effect, all releases should be avoided.

4. First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes and consult physician.

Skin: Wash skin thoroughly with soap and water. If drenched with product, remove and wash clothing before reuse.

Ingestion: Ingestion If victim is conscious give 2 glasses of water. Call a physician.

Inhalation: N/A

5. Fire-fighting Measures

Product is non-combustible.

Flash point: **Autoignition Temperature**:
F: Not flammable F: Not Established
C: Not Established C: Not Established

Extinguishing Media:
Use extinguishing media appropriate for surrounding fire

Water Spray : OK
Carbon Dioxide: OK
Foam: OK
Dry Chemical: OK
Halon: OK
Other: Any “ABC” Class

6. Accidental Release Measures

Accidental Release Measures:

Personal Precautions: Do not get in eyes. Do not take internally. Avoid skin contact. Prevent prolonged or repeated breathing of vapor or spray mists.
Keep unnecessary people away. Floor may be slippery, use care to avoid falling. Ventilate the area. Remove with inert absorbent.

Environmental Precautions: Keep spills and cleaning run-offs out of municipal sewers and open bodies of water. Comply with local, state and national regulations.

7. Handling and Storage

Handling and Storage: Store in a cool, dry place Keep closure tight and containers upright to prevent leakage.

Precautionary labeling: “KEEP FROM FREEZING”.

8. Exposure controls and personal protection

Precautions: Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.

Work Hygienic Practices: Avoid contact with skin. Do not get in eyes. Do not take internally. Avoid breathing vapors or spray mists.

Ventilation: Use in well-ventilated areas. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

Respiratory Protection: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate
respirator approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator
approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

Eye Protection: Use approved safety eyewear including side shields, chemical goggles or face shields.

Skin Protection: Wear neoprene or rubber gloves to prevent skin contact if prolonged skin contact is likely. Wash hands before eating, smoking or using the wash room.

9. Physical and chemical properties

Appearance:	Viscous liquid	**Viscosity @ 77°F:**	60-75 Kreb Units ± 0.5
Odor:	Slight odor	**Percent Solids By Weight:**	51.5% ± 2.0
Boiling Point:	212°F	**Solubility in Water:**	Total
Freezing Point:	32°F	**Vapor Density @ 68°F:**	Heavier than air
Vapor Pressure (mmHg) @ 68°F:	17	**Specific Gravity (H2O = 1) @ 68°F:**	1.1 ± 0.1
Weight Per Gallon:	9.6 lbs/gal ± 0.5	**Evaporation Rate:**	Slower than ether

10. Stability and reactivity

Stability: Stable

Incompatibility: (Material to Avoid): Avoid contact with strong oxidizing agents (e.g. nitric acid, permanganates), etc.

Hazardous Decomposition or By-Products: Some carbon monoxide.

Hazardous Polymerization: Will not occur.

11. Toxicological information

Toxicological Information:
Chronic Health Hazards IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

Toxicology Data

Chemical Name	CAS No.	LD50
Titanium dioxide	13463-67-7	Oral: >24000 mg/kg (Rat) Dermal: >10000 mg/m3 (rabbit) Inhalation (Dust): >6.82 mg/L (Rat, 4hr.)

12. Ecological information

Ecological Information: No Data Available

13. Disposal considerations

Waste Disposal Method: Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. If incinerating, do so in an approved facility, and do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

14. Transport information

U.S. Department of Transportation

Proper Shipping Name: Non-Hazardous Water-Based Paint

Hazard Class: Not Regulated

Label Statement: Keep From Freezing Class 55 Non-Hazardous Water-Based Paint Canada (TDG)

Not Regulated for Transportation.

IMO

Not Regulated for Transportation.

15. Regulatory information

U.S. Federal Regulations:

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

SARA TITLE III: No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT

(PROPOSITION 65): Components of this product are on the California Proposition 65 lists.

NOTES: (*)This proprietary biocide is listed as a carcinogen under California Proposition 65, however, a risk assessment was conducted by the biocide manufacturer and it was determined that when this product is used in accordance with label directions, exposure and thus risk is below the level which requires a Proposition 65 warning.

Titanium Dioxide is subject to the reporting requirements of Section 313 of the Emergency Planning and Community-Right-To-Know Act of 1986 and of 40 CFR 372.

CANADA DSL: All components are listed or exempt.

16. Other information

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.
To comply with New Jersey DOH Right-To-Know labeling law (NJAC 8:59 – 5.1 & 5.2)

CAS. No.:	CHEMICAL INGREDIENTS
7732-18-5	Water
13463-67-7	Titanium dioxide
25265-77-4	2,2,4 - Trimethyl - 1, 3 - pentenediol monoisobutyrate
Not Available	Proprietary surfactant
Not Available	Latex resin solids

HMIS HAZARD RATING

Health 1 Flammability 0 Physical Hazard 0 Personal Protection A

HAZARD INDEX: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe

PERSONAL PROTECTION CODE:

A=Safety glasses

Warning! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family.