

## 1. Product and Company Identification

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Product Name RXSOL-60-6604-515  
Product Type DPPH (2,2-Diphenyl-1-picrylhydrazyl)  
Revised date

### Company Details:

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

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## 2. Composition / Information on ingredients

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2.1 Substances : DPPH (2,2-Diphenyl-1-picrylhydrazyl)

CAS-No. : 1898-66-4

Substance name Contents CAS No

DPPH (2,2-Diphenyl-1-picrylhydrazyl) 100% 1898-66-4

Substance. Contains no other components or impurities which will influence the classification of the product.

## 3. Hazards Identification

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3.1 Classification of the substance

This chemical is considered hazardous by the 2012 OSHA

Hazard Communication Standard (29 CFR 1910.1200).

Respiratory Sensitization

Category 1

Skin Sensitization

Category 1

3.2 Label elements

Signal Word Danger

3.2.1 Hazard Statements May cause an allergic

skin reaction May cause allergy or asthma symptoms or breathing difficulties if inhaled

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### 2.2.2 Precautionary Statements

Prevention : Avoid breathing dust/fume/gas/mist/vapors/spray In case of inadequate ventilation wear respiratory protection Contaminated work clothing should not be allowed out of the workplace Wear protective gloves

Inhalation IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

Skin IF ON SKIN: Wash with plenty of soap and water If skin irritation or rash occurs: Get medical advice/attention Wash contaminated clothing before reuse

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

3.3 Other hazards ☐ none

## 4. First Aid Measures

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### 4.1 Description of first aid measures

General Advice : If symptoms persist, call a physician.

Eye Contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

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

If skin irritation persists, call a physician. Inhalation : Remove to fresh air.

If not breathing, give artificial respiration. Get medical attention

if symptoms occur. Ingestion : Clean mouth with water and drink afterwards plenty of water.

Get medical attention if symptoms occur.

Most important symptoms and effects : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. 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 Carbon dioxide (CO<sub>2</sub>). Powder. Water spray.5.1 Extinguishing media

In case of major fire and large quantities: Evacuate area.

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Fight fire remotely due to the risk of explosion.

## 5.2 Unsuitable Extinguishing

Media : No information available Flash Point : No information available

Method : No information available Autoignition

Temperature : No information available

Explosion Limits Upper : No data available.

Lower : No data available

Sensitivity to Mechanical Impact : No

information available Sensitivity to Static Discharge : No

information available.

## 5.3. Specific Hazards

Arising from the Chemical Keep product and empty container away from heat and sources of ignition.

## 5.4 Hazardous Combustion Products

Carbon monoxide (CO). Carbon dioxide

(CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

Protective Equipment and Precautions for Firefighters.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. NFPA Health Flammability Instability Physical hazards 2 1 0 --

# 6. Accidental Release Measures

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## 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

## 6.2 Environmental precautions

Should not be released into the environment. See Section

12 for additional Ecological Information.

## 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal

# 7. Handling and Storage

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7.1 Handling : Wear personal protective equipment/face protection.

Ensure adequate ventilation. Avoid ingestion and inhalation. Avoid dust formation.

Do not get in eyes, on skin, or on clothing.

7.2 Storage : Keep refrigerated. .

## 8. Exposure controls and personal protection

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### 8.1 Exposure Guidelines

This product does not contain any hazardous materials with

occupational exposure limits established by the region specific

regulatory bodies. Engineering Measures : Ensure adequate

ventilation, especially in confined areas Personal Protective Equipment

Eye/face Protection

Wear appropriate protective eyeglasses or chemical safety goggles as

described by OSHA's eye and face protection regulations in 29 CFR 1910.133

or European Standard EN166. Skin protection Wear appropriate protective gloves

and clothing to prevent skin exposure. Respiratory protection 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. Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

## 9. Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

Physical State: Solid.

Odour Threshold : No information available

pH : No information available

Melting point/freezing point Melting

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point/range: No data available

Initial boiling point and boiling range : No information available

Flash point : No information available

Evaporation rate: Not applicable

Flammability (solid, gas) : No information available

Upper/lower flammability or explosive limits : No information available

Vapour pressure No information available

Vapour density Not applicable

Relative density No data available

Solubility No information available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No information available

Decomposition temperature : No information available

Viscosity : Not applicable

## 9.2 Other safety information

No data available

# 10. Stability and reactivity

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## 10.1 Reactivity

None known, based on information available .

## 10.2 Chemical stability

Stable under recommended storage conditions.

## 10.3 Conditions to avoid

Incompatible products

## 10.4 Incompatible materials

Oxidizing agents

## 10.5. Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>)

## 10.6 Hazardous Polymerization Hazardous

polymerization does not occur. Hazardous Reactions

Other decomposition products - No data available In the event of fire: see section 5

## 11. Toxicological information

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### 11.1 Acute Toxicity Product Information Component Information

Toxicologically Synergistic : No information available

Products 11.2 Delayed and immediate effects

as well as chronic effects from short and long-term exposure

Irritation : No information available Sensitization : May cause sensitization

by skin contact. Carcinogenicity: The table below indicates whether each agency

has listed any ingredient as a carcinogen. Component CAS-No IARC NTP ACGIH OSHA Mexico 2,2-Diphenyl-

1898-66-4 Not listed Not listed Not listed Not listed Not listed 1-picrylhydrazyl

Mutagenic Effects: No information available Reproductive Effects : No information available.

Developmental Effects : No information available. Teratogenicity: No information available.

STOT - single exposure : None known STOT - repeated exposure :None known

Aspiration hazard : No information available Symptoms / effects,both acute and

delayed : 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.

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.

### 12.1 Persistence and Degradability

No information available

### 12.2 Bioaccumulation/ Accumulation

No information available.

### 12.3 Mobility

No information available

## 13. Disposal considerations

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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

## 14. Transport information

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DOT : Not regulated

TDG : Not regulated

IATA : Not regulated

IMDG/IMO: Not regulated

## 15. Regulatory information

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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental : Ensure all national/local regulations are observed. regulations/legislation

specific for the substance or mixture REACH Restrictions - Annex XVII : The components of this product are

not subject to restrictions. REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

15.2. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

## 16. Other information

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Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16

December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives

67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 Further information : None. In accordance with

REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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