Material Safety Data Sheet

DPPH 2 2 Diphenyl 1 picrylhydrazyl (RXSOL-60-6604-515)

1. Product and Company Identifaction

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

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

Phone	+91 22 27815541 / 42
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2. Composition / informationon ingredients

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

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
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

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

Suitable extinguishing media Carbon dioxide (CO 2). Powder. Water spray.5.1 Extinguishing media
In case of major fire and large quantities: Evacuate area.
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
(CO2). Nitrogen oxides (NOx).
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
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6. Accidental Release Measures

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

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

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

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
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

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 (CO2), Nitrogen oxides (NOx)
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

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

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

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

14. Transport information

DOT : Not regulated
TDG : Not regulated
IATA : Not regulated
IMDG/IMO: Not regulated

15. Regulatory information

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

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
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