Material Safety Data Sheet

DPD Powder (RXSOL-62-6665-001)

1. Product and Company Identifaction

Porduct Name	DPD Powder
Part Number	RXSOL-62-6665-001

Company Details:

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

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2. Composition / informationon ingredients

Product name	Cas No	Weight
Potassium phosphate, monobasic	7778-77-0	60–65%
Disodium phosphate	7558-79-4	30–35%
Disodium dihydrate EDTA	6381-92-6	0.1–5%
N,N-diethylbenzene-1,4- diammonium sulfate	6283-63-2	0.1–5%

3. Hazards Identification

Signal Word	Warning
Hazard Statements	Harmful if inhaled
Precautionary statements	Avoid breathing dust. Use only outdoors or in a well-ventilated area. Response IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a physician or poison control center if you feel unwell. Storage Store locked up. Disposal Dispose of contents/container in accordance with local/regional/national/international regulations
Classification of the substance or mixture	No data available
Supplemental Hazard Statements	No data available
Other hazards	No data available

4. First Aid Measures

General advice	Ensure medical personnel are aware of the material(s) involved and take precautions to protect themselves
If inhaled	Move to fresh air. Give oxygen or artificial respiration if needed. Get medical attention immediately.
Eye Contact	Immediately flush eyes with plenty of water for at least 20 minutes. Remove contact lenses if present and easy to do. Continue rinsing. If symptoms persist or in all cases of concern, seek medical advice
Swallowed	Treat symptomatically. Never give anything by mouth to a person who is unconscious or is having convulsions. Do NOT induce vomiting unless directed by physician. If symptoms persist or in all cases of concern, seek medical advice
Skin Contact	Immediately wash skin with soap and water. If symptoms persist or in all cases of concern, seek medical advice..
Inhalation	No data available
Ingestion	No data available

Most important symptoms and effects, both acute and delaye	Direct skin contact may cause slight or mild transient irritation. Symptoms may include redness, edema, drying, and cracking of the skin. Direct eye contact may cause slight or mild transient irritation. Symptoms may include stinging and tearing. Inhalation of dust can cause respiratory irritation. Symptoms may include coughing and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.

5. Fire-fighting Measures

Flammability	No data available
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire
Special hazards arising from the substance or mixture	During fire, gases hazardous to health may be formed.
Further information	No data available
Hazardous combustion products	Phosphorous oxides. Sodium oxides. Other irritating fumes and smoke.
Advice for firefighters	Firefighters should wear full protective gear. Evacuate the area promptly. Fight fire from upwind to avoid exposure to combustion products. Cool containers/tanks with water spray. Do not get water inside container. Move containers from fire area if you can do it without risk. Prevent fireextinguishing water from contaminating surface water or the ground water system
Protective Equipment	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Specific Hazards Arising from the Chemical	No data available

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during cleanup. Do not breathe dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protective equipment, refer to section 8 of the SDS.
Spillage	No data available
Personal Protection	No data available
Enviromental Precaution	Avoid discharge into drains, water courses, or onto the ground.
Methods and materials for containment and cleaning	Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Sweep up or vacuum up spillage and collect in suitable container for later disposal. Never return spills to original containers for reuse. For waste disposal, refer to section 13 of the SDS. Contaminated absorbent material may pose the same hazards as the spilled product. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Incompatible materials	No data available
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contamination. Avoid breathing dust.
Advice on safe handling	Do not breathe dust. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. For personal protective equipment, refer to section 8 of the SDS. Keep away from incompatibles. Observe good industrial hygiene practices. Label containers appropriately
Conditions for safe storage including any incompatibilities	Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (refer to section 10 of the SDS). Protect against physical damage. Use care in handling/storage.

8. Exposure controls and personal protection

Exposure controls	No exposure limits noted for the ingredient(s
Engineering Control	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield. Provide an emergency eyewash fountain and quick-drench shower in the immediate work area.
Body Protection	Protective clothing.
Skin protection	Wear appropriate chemical-resistant gloves. Advice should be sought from glove suppliers. Other Wear appropriate chemical-resistant clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to fumes at levels exceeding the exposure limits. Advice should be sought from respiratory protection suppliers.
Other Protection Measure	No data available

9. Physical and chemical properties

Physical state	Solid,Powder
Colour	Off-white
Odour	Odorless
Odor Threshold	No data available
pH	No data available
Melting Point	No data available
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data Available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Vapour pressure	No data available
Viscosity	No data available
Density	No data available
Relative Density	1.60 g/cm3
Specific Gravity	1.60 g/cm3
Partition coefficient	No data available
Explosive properties	No data available
Solubility	>95%
Ignition temperature	No data available
Particle characteristics	No data available

10. Stability and reactivity

Reactivity	This product is stable and nonreactive under normal conditions of use, storage, and transport.
Chemical stability	Material is stable under normal conditions
Possibilityof hazardous reactions	No dangerous reaction known under conditions of normal use
Conditions to avoid	Contact with incompatible materials. Do not use in areas without adequate ventilation
Incompatible materials	Oxidizing agents. Strong acids. Strong bases.

Hazardous decomposition products	None known. For hazardous combustion products, refer to section 5 of the SDS.

11. Toxicological information

Acute toxicity	Harmful if inhaled The product data below contains the calculated ATE values for this mixture as well as individual component data.Dermal LD50 Rabbit Not available Inhalation LC50 Rat Not available Oral LD50 Rat 2000 mg/kg Disodium phosphate (CAS 7558-79-4) Acute Dermal LD50 Rat >2000 mg/kg (no deaths observed) Inhalation LC50 Rat Not available Oral LD50 Rat >2000 mg/kg (no deaths observed) N,N-diethylbenzene-1,4-diammonium sulfate (CAS 6283-63-2) Acute Dermal LD50 Rabbit Not available Inhalation LC50 Rat Not available Oral LD50 Rat 450 mg/kg Potassium phosphate, monobasic (CAS 7778-77-0) Acute Dermal LD50 Rat >2000 mg/kg Inhalation LC50 Rat >0.83 mg/L, 4 hours Oral LD50 Rat >2000 mg/kg Trade secret Acute Dermal LD50 Rabbit Not available Inhalation LC50 Rat Not available Oral LD50 Rat >2000 mg/kg
Skin corrosion/irritation	May cause slight or mild irritation
Serious eye damage/irritation	May cause irritation
Respiratory or skin sensitization	No data available
Carcinogenicity	No data available
Germ cell mutagenicity	May cause genetic defects.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	No data available
Additional Information	No data available

12. Ecological information

Persistence and degradability	Biodegradability aerobic - Exposure time 28 d Result: 96 % - Readily biodegradable. (OECD Test Guideline 301C)
Toxicity to fish	LC50 Rainbow trout, Donaldson trout (Oncorhynchus mykiss) >100 mg/L, 96 hours
Toxicity to daphnia and other aquatic invertebrates	EC50 Water flea (Daphnia magna) >100 mg/L, 48 hours
Toxicity	No data available
Toxicity to bacteria	No data available
Toxicity to algae	EC50 Green algae (Desmodesmus subspicatus) >100 mg/L, 72 hours
Bioaccumulation potential	Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected
Mobility in soil	High water solubility indicates a high mobility in soil
Results of PBT and vPvB assessment	No data available
Endocrine disrupting properties	No data available
Other adverse effects	No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Waste treatment Method	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (refer to Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste-handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied

14. Transport information

UN number	ADR/RID:	IMDG:	IATA:
UN proper shipping name	ADR/RID:Not dengerous goods	IMDG:Not dengerous goods	IATA:Not dengerous goods
Transport hazard class(es)	ADR/RID:	IMDG:	IATA:
Packaging group	ADR/RID:-	IMDG:-	IATA:-
Environmental hazards	ADR/RID:No	IMDG:No	IATA:No
Special precautions for user	No data available		
Further information	No data available		

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Other regulations	No data available
Chemical Safety Assessment	A Chemical Safety Assessment was not carried out for this substance.

16. Other information

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 weassume 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.