Material Safety Data Sheet

P DIMETHYL AMINO CINNAMALDEHYDE AR (RXSOL-60-6605-193)

1. Product and Company Identifaction

Product Name	P-DIMETHYL AMINO BENZALDEHYDE AR
Part Number	RXSOL-60-6605-193

Company Details:

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

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2. Composition / informationon ingredients

Chemical Name	CAS	EC .NO	% by Weight
P-DIMETHYL AMINO BENZALDEHYDE AR	100-10-7	202-819-0	99%

3. Hazards Identification

Signal Word	NA
Potential Acute Health Effects	NA
Potential Chronic Health Effects	NA
Hazard Statements	NA
P280 Wear protective gloves.P305 + P351 + P338	None.
Precautionary statements - response	None
Supplemental Hazard Statements	None
Other hazards	The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

4. First Aid Measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible
If inhaled	NA
Eye Contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
Swallowed	NA
Skin Contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.y.
Serious Skin Contact:	NA
Inhalation	Assure fresh air breathing. Allow the victim to rest.
Ingestion	Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting

Notes to Physician	Treat symptomatically
Symptoms relating to use	Not expected to present a significant hazard under anticipated conditions of normal use
Most important symptoms and effects, both acute and delaye	The most important known symptoms and effects are described in the labelling

5. Fire-fighting Measures

Flammability	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Auto-Ignition Temperature	363°C (685.4°F)
Flash Point	CLOSED CUP Higher than 93.3°C (200°F). OPEN CUP 198.89°C (390°F) - 218.33 C (425 F).
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO2). Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks. Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Fire Fighting Media and Instructions: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Do not use a heavy water stream.
Special hazards arising from the substance or mixture	Carbon oxides Zinc/zinc oxides Not combustible. Ambient fire may liberate hazardous vapours.
Further information	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.
Hazardous combustion products	Surrounding fires
Advice for firefighters	Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Protective Equipment	Use personal protective equipment.
Specific Hazards Arising from the Chemical	Has a fire-promoting effect due to the release of oxygen. Ambient fire may liberate hazardous vapours.
Surrounding fires	Use water spray or fog for cooling exposed containers

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Equip cleanup crew with proper protection. Ventilate area.
Small Spill, Large Spill	NA
Personal Protection	Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: Protective equipment see section 8.
Enviromental Precaution	Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters
Methods and materials for Containment and cleaning	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.
non-emergency personnel	Evacuate unnecessary personnel.
. Reference to other sections	See section 8. Exposure controls/personal protection

7. Handling and Storage

Handling	Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Sensitive to light. Store in light-resistant containers. Air Sensitive
Advice on safe handling	NA
Advice on protection against fire and explosion	NA
Hygiene measures	NA

Precautions	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.
Storage conditions	Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use
Storage class	Storage class (TRGS 510) 6.1B Non-combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated
Provide good ventilation in process area to prevent formation of vapour	Provide good ventilation in process area to prevent formation of vapour
Advice on general occupational hygiene	NA.

8. Exposure controls and personal protection

Engineering Control	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	Avoid all unnecessary exposure..
Eye/face protection	Chemical goggles or safety glasses
Body Protection	Wear protective gloves
Skin protection	NA
Respiratory protection	Wear approved mask
Other Protection Measure	When using, do not eat, drink or smoke.
Control of environmental exposure	Do not let product enter drains.



Gloves



Suit

9. Physical and chemical properties

Physical state	Solid.
ColourPale	Pale yellow crystalline
Odour	Characteristic odor
Taste	Not available.
Molecular Weight	117,42 g/mol
Odor Threshold	Not Applicable
pH	Not Applicable
Melting Point	800 °C - (ECHA), (Lit.)
Boiling Point	176 °C
Critical Temperature	Not available.
Flash Point	164 °C
Evaporation Rate	Not Applicable
Flammability (solid, gas)	The product is not flammable.
Explosive limits	No Data Available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	NA
Decomposition temperature	No data available
Vapour pressure	No Data Available
Density	1,85 g/cm3 at 25 °C - lit.

Vapour Density	NA
Volatility	Not available.
Odor Threshold	Not available
Specific Gravity	0.895 (Water = 1)
Partition coefficient	No data available
Explosive properties	None
Water Solubility	Slightly soluble in
Ignition temperature	No information available.

10. Stability and reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Instability Temperature	Not available.
Conditions of Instability	Excess heat
Possibility of hazardous reactions	Generates dangerous gases or fumes in contact with Acids A risk of explosion and/or of toxic gas formation exists with the following substancesCarbon dioxide (CO_2) Risk of explosion with: magnesium Risk of ignition or formation of inflammable gases or vapours with: Fluorine Violent reactions possible with: Strong oxidizing agents
Conditions to avoid	Direct sunlight. Extremely high or low temperatures
Incompatibility with various substances	NA
Corrosivity	NA
Special Remarks on Corrosivity	Not available.
Polymerization	NA
Hazardous Polymerization	NA
Materials to avoid	Strong acids. Strong bases
Hazardous decomposition products	Fumes. Carbon monoxide. Carbon dioxide.

11. Toxicological information

Routes of Entry	NA
Acute toxicity	NA
Toxicity to Animals	NA
Skin corrosion/irritation	NA
Serious eye damage/eye irritation	NA
Respiratory or skin sensitization	NA
Serious eye damage/eye irritation	NA
Rout Of Entry	NA
Toxicity to Animal	NA
Toxic Effects on Human	NA
Germ cell mutagenicity	NA
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Special Remarks on other Toxi Effects on Humans	NA
Additional Information	NA
Assessment	NA
Endocrine disrupting properties	NA
Other Toxic Effects on Humans	NA.

12. Ecological information

Persistence and degradability	No data available
Toxicity	NA
Toxicity to fish	NA
Toxicity to daphnia and other aquatic invertebrates	NA
Toxicity to algae	NA
Eco Toxicity	Not Available
COD and BOD 5	Not Available
Products Biodegradation	NA
Mobility in soil	No Information available
Biodegradability	NA
Results of PBT and vPvB assessment	The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.
Endocrine disrupting properties	NA
Assessment	NA
Other adverse effects	No data available
Environmental precautions	Avoid release to the environment.

13. Disposal considerations

Product	NA
Waste Disposal	NA
Waste treatment Method	NA
General	Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

14. Transport information

UN number	NA
UN proper shipping name	UN
UN proper shipping name	NA
Packaging group	NA
Packaging group	NA
Environmental hazards	NA

15. Regulatory information

Federal and State Regulations	NA
Safety, health and environmental regulations/legislation specific for the substance or mixture	Ensure all national/local regulations are observed.
National legislation	NA.
DSCL (EEC)	NA
REACH Restrictions - Annex XVII REACH Authorisation - Annex XIV	The components of this product are not subject to restrictionThe components of this product are not subject to authorization.
Chemical Safety Assessment	Other regulations

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.