Material Safety Data Sheet

CAFFEIC ACID Dihydroxycinnamic acid (RXSOL-60-6604-216)

1. Product and Company Identifaction

Product Name	RXSOL-60-6604-216
Product Type	CAFFEIC ACID (3,4-Dihydroxycinnamic acid)
Revised date	27-04-2019

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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Email	mail@rxmarine.com

2. Composition / informationon ingredients

Component	CAS-No	Weight %
2-Propenoic acid, 3-(4-hydroxyphenyl)-, (2E)-	501-98-4	98

3. Hazards Identification

Classification
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Target Organs -	Respiratory system

Label Elements

Signal Word
Warning

Hazard Statements

Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
p-Hydroxycinnamic acid, predominantly trans.

Precautionary Statements
Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
Skin
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse

Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
Storage
Store in a well-ventilated place. Keep container tightly closed
Store locked up
Disposal
Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)
None identified

4. First Aid Measures

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 soap and plenty of water while removing all clothes and shoes. Get medical attention.
Inhalation	Remove from exposure, lie down. Remove to fresh air. If not breathing, give artificial respiration. Get medical attention. Ingestion Clean mouth with water. Get medical attention.
Most important symptoms and effects	No information available.
Notes to Physician	Treat symptomatically

5. Fire-fighting Measures

Suitable Extinguishing Media	Water spray. Carbon dioxide (CO 2). Dry chemical. Chemical foam. 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

Specific Hazards Arising from the Chemical
Keep product and empty container away from heat and sources of ignition.
Hazardous Combustion Products
Carbon monoxide (CO). Carbon dioxide (CO2).
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	FLAMMBLIILITY	INSTABILY	PHYSICAL HAZARDS
2	1	6	N\A

6. Accidental Release Measures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment as required .
Environmental Precautions See Section 12 for additional Ecological Information.
Methods for Containment and Clean Up Sweep up and shovel into suitable containers for disposal. Do not let this chemical enter the environme

7. Handling and Storage

Handling

Avoid contact with skin and eyes. Do not breathe dust. Do not ingest. If swallowed then seek immediate medical assistance.

Storage

Keep in a dry, cool and well-ventilated place. Refer product specification and/or product label for specific storage temperature requirement. Keep container tightly closed

8. Exposure controls and personal protection

Exposure Guidelines

This product does not contain any hazardous materials with occupation exposure limitsestablished by the region specific regulatory bodies.

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location
.
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 and body protection

Wear appropriate protective gloves and clothing to prevent skin exposuro

Respiratory Protection

No protective equipment is needed under normal use conditions.
Hygiene Measures

Page 4 / 7 Handle in accordance with good industrial hygiene and safety practic

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9. Physical and chemical properties

Physical State Powder	Solid
Appearance	Beige
Odor	Odorless
Odor Threshold	no information available
pH	No information available
Melting Point/Range	214 °C / 417.2 °F Boiling
Point/Range	No information available
Flash Point	No information available
Evaporation Rate	Not applicable
Flammability (solid,gas)	No information available
Flammability or explosive limits Upper	No data available

Lower	No data available
Vapor Press	No information available
Vapor Density	Not applicable
Specific Gravt	No information available
Solubilly	No information available
Partition coefficient; n-octanol/wate	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	C9 H8 O3
Molecular Weight	164.16

10. Stability and reactivity

Reactive Hazard
None known, based on information available
Stability
Stable under normal conditions.
Conditions to Avoid
Incompatible products.
Incompatible Materials
Strong oxidizing agents
Hazardous Decomposition
Products Carbon monoxide (CO), Carbon dioxide (CO2)
Hazardous Polymerization
No information available.
Hazardous Reactions
None under normal processing

11. Toxicological information

Acute Toxicity
Product Information No acute toxicity information is available for this product
Component Information Toxicologically Synergistic Products No information available
Delayed and immediate effects as well as chronic effects from short and long-term exposure
Irritation No information available
Sensitization No information available
The table below indicates whether each agency has listed any ingredient as a carcinogen.

12. Ecological information

12.1. Toxicity
Toxicity information : Not established.
12.2. Persistence - degradability
Persistence - degradability : Biodegradable.
12.3. Bioaccumulative potential
Bioaccumulative potential : Not established.
12.4. Mobility in soil
Mobility in soil : Not established.
12.5. Results of PBT and vPvB assessment
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.
12.6. Other adverse effects
Environmental precautions : Avoid release to the environment.

13. Disposal considerations

13.1. Waste treatment methods
General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or

international regulation.
Special precautions : Handle empty containers with care because residual vapours are flammable.

14. Transport information

14.1. Land transport (ADR-RID)
Proper shipping name : ACETIC ACID
UN N° : 2789
H.I. nr : 83
ADR - Class : 8
Labelling - Transport : 8 : Corrosive substance. 3 : Flammable liquid.
ADR - Classification code : CF1
CF1
ADR - Group : II
ADR - Packing instructions : P001
ADR - Limited Quantity : 1 L
ADR - Tunnel code : D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and
E. Other carriage: Passage forbidden through tunnels of category E.
14.2. Sea transport (IMDG) [English only]
Proper shipping name : ACETIC ACID,
UN N° : 2789
IMO-IMDG - Class or division : 8 : Corrosive substance. (3 : Flammable liquid.)
IMO-IMDG - Packing group : II
IMO- IMDG - Packing instructions : P001
IMO-IMDG - Limited quantities : 1 L
IMO-IMDG - Marine pollution : No
EMS-Nr : F-E S-C
14.3. Air transport (ICAO-IATA) [English only]
Proper shipping name : ACETIC ACID
UN N° : 2789
IATA - Class or division : 8 : Corrosive substance. (3 : Flammable liquid.)
IATA - Packing group : II
IATA - Passenger and Cargo Aircraft : ALLOWED
- Passenger and Cargo - Packing : 851
instruction
- Passenger and Cargo - Maximum : 1 L
Quantity/Packing
IATA - Cargo only : ALLOWED
- Cargo only - Packing instruction : 855
- Cargo only - Maximum Quantity/ : 30 L
Packing
IATA - Limited Quantites : 0.5 L
ERG-Nr : 8F

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