

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1- Product Identification

Product Name : RC Solve
Product Code : RSV
Product Description : Dental gutta percha softener
Packing Available : 15 ml

1.2- Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Softens dental gutta percha points. Used by dental professional only. For dental use only.

1.3- Details of the supplier of the safety data sheet

Manufacturer : Prime Dental Products Pvt Ltd.
Address : Plot No. A-148, Road No. 24, MIDC, Wagle Industrial Estate, Thane (West)-
400604, Maharashtra, India
Email : info@prime-dental.in
Web : www.prime-dental.in

1.4- Emergency contact details

Telephone : +919272235922 / +919272235925

SECTION 2: Composition/information on ingredients

2.1- Mixture

Component	C.A.S.	EINECS	Classification*	Weight%	LD50
4-Isopropenyl-1-methylcyclohexene (D-limonene)	5989-27-5	232-433-8	Not determined	90-100	Oral (Rat): 4,400 mg/kg.

*For wording of the listed 'R' phrases and 'H' statements see section 16

SECTION 3: Identification of Hazards

3.1- Hazard Description

NFPA Codes- Health: 1, Fire: 2, Reactivity:0
(Degree of Hazard: 4=Extreme, 3=High, 2=Moderate, 1=Slight, 0=Insignificant)

3.2- Health Effects:

On Skin: Irritant, may cause temporary redness. Mild local irritation and sensitization. Intensive or continuous contact with skin may cause dermatitis.

On Eyes: Irritant, may cause burning, redness, pain.

By Accidental Ingestion: Harmful if ingested, gastrointestinal irritation. Abdominal pain, nausea, vomiting, dizziness.

By Inhalation: Irritant to respiratory tract, sore throat, coughing, shortness of breath, dizziness, nausea.

SECTION 4: First aid measures

4.1- Description of first aid measures

Contact with skin: Wash with soap and water. Get medical attention if irritation develops or persists.

Contact with eyes: Flush eyes with plenty of water. Get medical attention, if irritation persists.

Ingestion: For small amounts give milk of magnesia or a glass or two of water or milk. Consult a physician if ingested in large amounts.

Inhalation: Supply fresh air. Get medical attention if uncomfortable

SECTION 5: Fire-Fighting Measures

5.1- Recommended extinguishers: CO2, foam, Dry chemicals (Class B)

5.2- Extinguishers not to be used: Do not use water. Incompatible with strong oxidizing agents

5.3- Risks arising from combustion: Avoid inhaling the fumes.

5.4- Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental Release Measures

6.1 Measures for personal safety: Use protective solvent resistant gloves to avoid contact with skin

6.2 Measures for environmental protection: Do not allow product to reach sewage system or any water courses.

6.3 Measures for cleaning/collecting: Small spills can be wiped up with vermiculite or other suitable absorbent material and removed to an approved disposal container. Large spills should be absorbed by dirt, sand, or other suitable absorbents for disposal.

SECTION 7: Handling and Storage

7.1-Handling product: Is intended for dental use only.

7.2- Information for safe handling: No special measures required. Observe normal care for working with chemicals.

7.3- Information about fire and explosion protection: See section 5.4.

7.4- Storage requirements to be met by storerooms and receptacles: Store only in the original receptacle.

7.5- Information about storage in one common storage facility: Not required.

7.6- Further information about storage conditions: Protect from heat and direct sunlight. No Smoking. Eliminate any source of ignition.

SECTION 8: Exposure Controls/Personal Protection

8.1- Additional information about design of technical facilities: No further data; see section 7.

8.2- Personal protective equipment:

- a. Respiratory protection** : Not required.
- b. Protection of hands** : Neoprene or rubber glove
- c. Eye protection** : Safety glasses
- d. Body protection** : Protective work clothing

SECTION 9: Physical and Chemical Properties

9.1- Physical Properties:

Form : Liquid
Color : Clear
Odour : Mild citrus aroma

9.2- Chemical Properties:

Melting point/Melting range	: -89 to 96.9°C
Boiling point/Boiling range	: 175.5 to 178°C
Ignition temperature	: Undetermined
Flash point	: 45 to 49°C
Self-igniting	: Product is not self-igniting.
Danger of explosion	: Stable under ordinary conditions
Density	: 0.838 to 0.850g/ml
Vapor density	: 4.73 (Air=1)
Heat of combustion	: 1.471 Kcal/mol
Solubility in / Miscibility with Water	: Negligible

SECTION 10: Stability and Reactivity

10.1- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.2- Dangerous reactions: Avoid strong oxidizing agents. Avoid exposure to sparks, heat and flames.

10.3 Dangerous decomposition products: Burning produces carbon monoxide and or carbon dioxide

SECTION 11: Stability and Reactivity

11.1- Acute toxicity

LD50 Oral (Rat): 4,400 mg/kg.

LD50 Dermal (Rabbit): >2,000 mg/kg.

LD50 Dermal (Mice): 5,600 to 6,600 mg/kg.

11.2- Primary irritant effect : Nil

11.3- On the skin : May cause skin irritation

11.4- On the eye : May cause irritating effect.

11.5- Sensitization : No sensitizing effects known.

SECTION 12: Ecological Information

Environmental data-

12.1- Ecotoxicity: Fish Toxicity:

LC-0: 26 mg/l

LC-50: 33 mg/l

LC-100: 43 mg/l

12.2- Biodegradability: d-Limonene is a biodegradable solvent occurring in nature as the main component of peel oil. 100% in 28 days

SECTION 13: Disposal Consideration

13.1- Product Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

13.2- Uncleaned Packaging Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport Information

14.1- Air (ICAO/IATA)

Primary Hazard Class/Division : No known classification

14.2- Road (RID/ADR)

Primary Hazard Class/Division : No known classification

14.3- Vessel (IMO/IMDG/RID/ADR)

Primary Hazard Class/Division : No known classification

SECTION 15: Regulatory Information

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

General comments : Please refer to Medical Devices Directive 93/42/EEC.

15.2- Chemical safety assessment : See Section 11

SECTION 16: Additional Information

16.1- 'R' phrases and 'H' statement:

Not applicable

16.2- Prepared by: Tanay Thakkar

16.3- Manufacturer Disclaimer: For Dental Use Only, Use as directed.

Product Name: RC SOLVE

The information and recommendations are taken from sources (raw material MSDS(s) and manufacturer's knowledge) believed to be accurate; however, Prime Dental Products Pvt Ltd, makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.
