

**Safety data sheet as per COMMISSION REGULATION (EU) No 453/2010
of 20 May 2010 amending Regulation (EC) No 1907/2006
Product: Prasolve EP 801**



PRASOL

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

1.1 Product identifier

Trade name: Prasolve EP 801

CAS No.: proprietary

EC No.: proprietary

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

Manufacture of fine chemicals (SU9)

Uses identified against: Used as a solvent for removal of several types of polymers. Used in removal of cured polyurethanes, epoxies, acrylics and silicones.

1.3 Details of the supplier of the safety data sheet:

Manufacturer/Supplier:

Prasol Chemicals Ltd.,
Prasol House, Plot No.A-17/2/3,
T.T.C. Indl. Area, Khairne M.I.D.C.,
Navi Mumbai - 400 710
Maharashtra, India.
Tel: +91-22-27782555
Fax: +91-22-27782430

Further information obtainable from:

Mr. Dhaval Parikh

e-mail:sales@prasolchem.com; inquiry@prasolchem.com

1.4 Information in case of emergency:

Product safety department Tel: +91-22- 27782555; Fax:+91-22- 27782430

Other Comments (e.g. language(s) of the phone service): English

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008



Flammable liquid 3 H226 flammable liquid and vapour
STOT Single Exp. 3 H336 May cause drowsiness or dizziness

Skin Irrit. 2 H315: Causes skin irritation

Eye Irrit. 2 H319 Causes serious eye irritation

H303: May be harmful if swallowed

H314: Causes severe skin burns

STOT Single Exp. 3 H335: May cause respiratory irritation

Information concerning particular hazards for human and environment: Not applicable

2.1.2 Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xi; Irritant

R36/37/38 Irritating to eyes, respiratory system and skin

R61 May cause harm to the unborn child

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008 (CLP)

Hazard pictograms



Signal word Danger

Hazard-determining components of labeling: Void

Hazard statements

H314 Causes severe skin burns and eye damage

Revision: 16-00

Issue Date: 05.12.2016

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H315: Causes skin irritation
H319 Causes serious eye irritation
H335: May cause respiratory irritation
H360: May damage fertility or the unborn child

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash thoroughly after handling
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 If eye irritation persists: Get medical advice/attention

2.3 Other hazards

Results of PBT and vPvB assessment: The substance is not PBT / vPvB

SECTION 3: Composition/information on ingredients

This mixture is a proprietary formula and a trade secret.

SECTION 4: First aid measures

4.1 General information: Consult a physician. Show this safety data sheet to the doctor in attendance.
After inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
After skin contact: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
After eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
After swallowing: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Drink plenty of water. Consult a physician.
4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11. Cough, Headache, Sore throat, Drowsiness, Dry skin, Redness or pain in eye.
4.3 Indication of any immediate medical attention and special treatment needed
Treat according to symptoms (decontamination, vital functions), no known specific antidote.
Information for doctor: Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1 Suitable extinguishing agents:
For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
5.2 Special hazards arising from the substance or mixture May form Carbon oxides
5.3 Protective equipment: Wear self-contained breathing apparatus for firefighting if necessary.
Additional information Use water spray to cool unopened containers

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
6.2 Environmental precautions: Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations
6.4 Reference to other sections

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See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment
See Section 13 for disposal information

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Information about fire - and explosion protection: Keep ignition sources away. No smoking. Take measures to prevent the buildup of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Information about storage in one common storage facility: Store away from incompatible materials.

Further information about storage conditions: Store away from moisture. Store in cool and dry place.

7.3 Specific end use(s) No further relevant information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Derived No Effect Level (DNEL)

Application Area	Exposure routes	Health effect	Value
Workers	Skin contact	Acute systemic effects	208mg/kg BW/d
Workers	Inhalation	Acute systemic effects	80 mg/m ³
Workers	Skin contact	Long term systemic effects	19.8mg/kg BW/d
Workers	Inhalation	Long term systemic effects	40 mg/m ³

Predicted No Effect Concentration (PNEC)

Compartment	Value
Water	5mg/l
Soil	0.138mg/Kg
Marine water	0.025mg/Kg
Fresh water	0.25mg/l
Fresh water sediment	0.805mg/Kg
Onsite sewage treatment plant	10mg/L

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Protection of hands: Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles

Body protection:

Complete suit protecting against chemicals. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.



SECTION 9: Physical and chemical properties

Appearance : Colorless to amber coloured liquid
Odour : Not available
Odour threshold : Not available
pH : Not available
Melting point/Melting range : Not available
Initial Boiling point/Boiling range : 200°C Literature
Flash point (closed cup) : 99°C Literature
Evaporation rate : Not available
Flammability (solid, gas) : Not available
Upper/lower flammability or explosive limits:
Lower: Not available
Upper: Not available
Vapour pressure at 20°C : Not available
Vapour density : Not available
Relative density at 20°C : 1.06
Solubility in / Miscibility with water : Fully miscible
Partition coefficient (n-octanol/water) at 25°C) Not available
Auto-ignition temperature : Not available
Decomposition temperature : Not available
Viscosity (dynamic) : Not available
Explosive properties : Not explosive
Oxidising properties : Not oxidizing
9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity No dangerous reactions known.
10.2 Chemical stability
Under storage at normal ambient temperatures (minus 40° C to + 40° C), the product is stable.
No hazardous reaction when handled and stored according to provisions.
10.3 Possibility of hazardous reactions No known hazardous reactions
10.4 Conditions to avoid Heat, flames and sparks.
10.5 Incompatible materials: Strong oxidizing agents, Strong bases, Strong acids, Metals, peroxides
10.6 Hazardous decomposition products: toxic gases, vapours

SECTION 11: Toxicological information

11.1 Information on toxicological effects
11.1 Information on toxicological effects
Acute toxicity:

LD50	Oral	4150 mg/kg Rat
LC50	Inhalation	>5.1 mg/kg Rat
LD50	Dermal	5000 mg/kg Rat

Skin corrosion/irritation: irritating (rabbit)
Serious eye damage/irritation: irritating
Respiratory or skin sensitization: No sensitizing effects known.(guinea pigs)
Germ cell mutagenicity: no data available
Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity: May damage fertility or Damage to foetus possible
STOT-single exposure: no data available
STOT-repeated exposure: local irritation
Aspiration hazard: no data available
Additional information: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
Revision: 16-00
Issue Date: 05.12.2016



SECTION 12: Ecological information

Aquatic toxicity:

LC50	96 h	> 500 mg/l <i>Salmo gairdneri</i> , syn. <i>O. mykiss</i> (static)
EC50	24 h	> 1000 mg/l <i>Daphnia magna</i> (Water flea)
EC50	72 h	> 500 mg/l <i>Scenedesmus subspicatus</i>
EC50	0.5h	> 600 mg/l activated sludge, industrial

12.2 Persistence and degradability

Biodegradation 73% in 28d, readily biodegradable

12.3 Bio accumulative potential not expected to bioaccumulate.

12.4 Mobility in soil no data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects No further relevant information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:

Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

Land Transport (ADR/RID)

Marine Transport (IMDG)

Air Transport (ICAO/ IATA)

14.1 UN/ID Number: -

14.2 UN proper shipping name: Flammable liquids, not dangerous goods as per transport regulations

14.3 Transport hazard class: -

14.4 Packaging group:

14.5 Environmental hazards: -

14.6 Special precautions for the user: flammable, Read safety instructions before handling.

Danger code (Kemler) : -

Tunnel restriction code : -

EMS Number : -

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: no data available

SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006

Hazard pictograms Please refer section 2

Signal word Danger

Labeling according to EU guidelines:

Code letter and hazard designation of product: Please refer section 2

Risk phrases: Please refer section 2

15.2 Chemical safety assessment A Chemical Safety Assessment has not been carried out and will be applicable at the time of REACH Registration.

Substances of very high concern (SVHC) according to REACH, Article 57 The substance is not listed as SVHC.

SECTION 16: Other information

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This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS:

Product safety department.

Contact:

Tel: +91-22- 27782555

Fax: +91-22- 27782430

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

EC50: Half Maximal Effective concentration

EINECS: European Inventory of Existing Commercial Chemical Substances

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

IATA: International Air Transport Association

IBC Code: International Bulk Chemical Code

IMDG: International Maritime Code for Dangerous Goods

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Marpol 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

Sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.