

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

1.1 Product identifier

Trade name	IP-2028
Chemical Name	Isoparaffinic solvent
CAS Number	68551-17-7/ 68551-20-2
EC Number	271-366-9/ 271-370-0

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

Relevant identified uses	As a solvent
Uses identified against	Not for use other than that specified

1.3 Details of the supplier of the safety data sheet:

Manufacturer	Prasol Chemicals Pvt. 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.
Telephone	+91-22-27782555
Telefax	+91-22-27782430
e-mail address	sales@prasolchem.com; inquiry@prasolchem.com

1.4 Emergency telephone number

Telephone	+91-22- 27782555
Language	English

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Flammable liquid	Category 4	H227	Combustible liquid
Aspiration Toxicity	Category 1	H304	May be fatal if swallowed and enters airways
Skin Irritation	Category 2	H315	Causes skin irritation
Aquatic Chronic	Category 4	H413	May cause long lasting effects to aquatic life

Information concerning particular hazards for human and environment: No further information

2.2 Label elements

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

Hazard pictograms



GHS07



GHS08



GHS09

Signal word

Danger

Hazard statements

H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H413	May cause long lasting effects to aquatic life

Precautionary statements

General

-

Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Use protective gloves.

Response

P301 + P310	IF SWALLOWED: Immediately call a doctor to specify the appropriate medical advice.
P302 + P352	IF ON SKIN: Wash with plenty of water
P321	Specific treatment: Wash with plenty of dilute soap solution and water
P331	Do NOT induce vomiting
P332 + P313	If skin irritation occurs: Get medical attention
P362 + P364	Take off contaminated clothing and wash it before reuse.

Storage

P403	Store in a well-ventilated place.
P405	Store locked up

Disposal

P501	Dispose of contents and container in accordance with national regulations
------	---



2.3 Other hazards

Not a PBT, vPVB substance according to the criteria of REACH regulation

SECTION 3: Composition/information on ingredients

3.1 Substances

Ingredient	CAS No.	EC No.	Concentration (%)
Alkanes, C10-13-iso-	68551-17-7	271-366-9	proprietary information
Alkanes C13-16-iso-	68551-20-2	271-370-0	

Additional information:

Molecular Formula	UVCB
Molecular Weight	UVCB

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Take off all contaminated clothing immediately.
After inhalation	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention
After skin contact	Wash off with plenty of water immediately, seek medical advice if necessary.
After eye contact	Rinse with plenty of water immediately and seek medical advice.
After swallowing	Do not induce vomiting and seek medical advice immediately.
4.2 Most important symptoms and effects, both acute and delayed	Skin irritation
4.3 Indication of any immediate medical attention and special treatment needed	Treat symptomatically. Dermatitis may result from prolonged or repeated exposure.

SECTION 5: Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing media	CO ₂ , dry powder, foam or water spray
Unsuitable extinguishing media	water jet
5.2 Special hazards arising from the substance or mixture	Combustible liquid. May form toxic carbon oxides if case of fire.
5.3 Advice for firefighters	Use fine water spray to cool endangered containers. Move undamaged containers from immediate hazard area. Do not allow fire water to penetrate into surface or ground water. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Remove persons not involved upwind. Wear a self-contained breathing apparatus and chemical protective clothing. Solvent-resistant protective clothing recommended.
6.2 Environmental precautions	Plug leak if safely possible. Do not allow to enter drains, surface waters, basements or pits.
6.3 Methods and material for containment and cleaning up	In case of spills of large quantities: Dam spills and pump to remove. Absorb leftover product with non-flammable liquid-binding material (e.g. earth, sand, vermiculite or ground sand stone) and place in closed containers for disposal.
6.4 Reference to other sections	Section 8 for information on personal protection equipment. Section 13 for disposal information

SECTION 7: Handling and storage

7.1 Precautions for safe handling	Provide adequate ventilation, and local exhaust as needed. Provide room air exhaust at ground level. Do not breathe vapours. Use only explosion-protected equipment/instruments.
--	--



7.2 Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion	Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharge.
Storage	Keep container dry. Keep container tightly closed in a cool, well-ventilated place. Protect from direct sunlight. Steel, stainless steel, and aluminium are stable container materials.
Advice on common storage	Observe prohibition against storing together!
Storage class	Combustible liquid
Storage stability	Stable under recommended storage conditions
7.3 Specific end use(s)	As a solvent

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	TLV not established
8.2 Exposure controls	
Appropriate engineering controls	Provide good ventilation and/or an exhaust system in the work area.
Personal protective equipment	
Eye/ face protection	closed goggles, face shield
Skin protection	
Hand protection	Butyl-rubber 0.5 mm > 480 min
Body protection	Use solvent-resistant protective clothing. Flame-retardant antistatic protective clothing; safety shoes
Respiratory protection	Respiratory equipment with suitable filter or a self-contained respiratory apparatus.
Thermal hazards	Combustible liquid; do not expose to heat
Industrial hygiene	Do not inhale vapours / aerosols. Avoid contact with skin and eyes. Remove immediately all contaminated clothing. Use disposable clothing if appropriate. Smoking, eating and drinking should be prohibited in the application area.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
Appearance	Colourless liquid
Odour	paraffinic odour
Odour threshold	no data available
pH	no data available
Melting point	<-50°C
Boiling point	213-262°C
Flash point	>75°C (Closed cup)
Evaporation rate	no data available
Flammability (solid, gas)	not applicable
Flammability limits	
	Lower 0.6%
	Upper 6.5%
Vapour pressure	4.358kPa at 93°C
Vapour density	no data available
Relative density	0.77-0.81 at 15°C
Solubility in water	<0.15 mg/l at 20°C
Partition coefficient	no data available
Ignition temperature	247°C
Decomposition temperature	no data available
Viscosity at 20°C	1.28mm ² /s
Explosive properties	No explosive properties.
Oxidizing properties	No oxidizing properties
9.2 Other information	
Heat of combustion	no data available
Heat of vaporization	no data available



SECTION 10: Stability and reactivity

10.1 Reactivity	No special reactivity
10.2 Chemical stability	Under storage at normal ambient temperatures (-40°C to +40°C), the product is stable.
10.3 Possibility of hazardous reactions	No known hazardous reactions if used as directed
10.4 Conditions to avoid	Avoid exposure to elevated temperatures.
10.5 Incompatible materials	Avoid contact with strong oxidizing agents, alkalis and amines
10.6 Hazardous decomposition products	Thermal decomposition products- carbon oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50	oral	rat	>5000 mg/kg bw	not classified
LC50	inhalation	8h, rat	5000mg/m ³	not classified
LD50	Dermal	rabbit	>5000 mg/kg bw	not classified

Skin irritation

Slight to moderate. Prolonged or repeated skin contact may cause drying, cracking, or irritation.

Serious eye irritation

not irritating - 24 h (rabbit)

Respiratory or skin sensitization

No sensitizing effects known

Germ cell mutagenicity

non mutagenic (Ames test)

Carcinogenicity

no indications for a carcinogenic potential

Reproductive toxicity

no adverse effect on reproduction (rat)

STOT-single exposure

not classified

STOT-repeated exposure

not classified

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Toxicity to fish	LL50	96h	>1000mg/L	<i>Oncorhynchus mykiss</i>
Toxicity to aquatic invertebrates	EL50	48h	>1000mg/L	<i>Daphnia magna</i>
Toxicity to aquatic algae and cyanobacteria	NOELR	72h	1000 mg/L	<i>Pseudokirchneriella subcapitata</i>
Toxicity to microorganisms			no data available	

12.2 Persistence and degradability

Biodegradation

not readily biodegradable (31% in 28days)

12.3 Bioaccumulative potential

Bioconcentration factor -not applicable

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

Not a PBT, vPvB substance according to the REACH regulation

12.6 Other adverse effects

No further information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods	Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose in sewage.
-------------------------------------	---

SECTION 14: Transport information

	ADR/RID	IMDG	ICAO/IATA
14.1 UN Number	-	-	-
14.2 UN proper shipping name	Not a Hazardous substance		
14.3 Transport hazard class	-	-	-
14.4 Packaging group	-	-	-
14.5 Environmental hazards	product floats on water and is not readily biodegradable		
14.6 Special precautions for the user	Combustible liquid		
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	See regulatory information for transport approval		



SECTION 15: Regulatory information

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

Major accident hazard Seveso III not applicable

International Chemical Inventory Status

USA (TSCA) listed

Canada (DSL) listed

Australia (AICS) listed

Japan (MITI) listed

Korea (KECL) listed

Philippines (PICCS) listed

China listed

New Zealand listed

Taiwan listed

15.2 Chemical safety assessment A Chemical Safety Assessment will be carried out at the time of REACH registration

SECTION 16: Other information

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.

Further information:

Sections in which changes have been made since the last version are marked with a diamond ◆ in the left hand margin.

Abbreviations and acronyms in English language:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (division of the American Chemical Society)
CLP	Classification for Labeling and Packaging
DSL	Domestic Substances List
EC	European Commission
EC50	Half maximal effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective loading at 50% response
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
IATA	International Air Transport Association
IBC	International Bulk Chemical
ICAO	International Civil Aviation Organization
IMDG	International Maritime Code for Dangerous Goods
KECL	Korea Existing Chemicals List
KOC	Soil adsorption coefficient
KOW	Partition Coefficient octanol-water
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
LL50	Loading level for 50% response
MARPOL	International Convention for the Prevention of Pollution from Ships
MITI	Ministry of International Trade and Industry
NOELR	No Observable Effect Loading Rate
PBT	Persistent, bioaccumulative and toxic substances
PICCS	Philippine Inventory of Chemicals and Chemical Substances
RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
STOT	Specific target organ toxicity
TSCA	Toxic Substances Control Act
UN	United Nations
vPVB	(very) Persistent, (very) Bioaccumulative

Sources

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

ECHA <https://echa.europa.eu/substance-information/-/substanceinfo/100.064.862>

Chemid <https://chem.nlm.nih.gov/chemidplus/rn/68551-20-2>