

<b>MATERIAL SAFETY DATA SHEET</b> According to regulation (EU)no.1907/2006		
<b>SOLVENT CNBM P-510</b>		
Revision : 00	Date : July 6 <sup>th</sup> , 2023	MSDS Number : 100



### Section 1 - Chemical Product and Company Identification

- 1.1 Product Name** : SOLVENT CNBM P-510  
**Synonyms** : -  
**CAS No.** : Mixture  
**HS Code** : -  
**Molecular Weight** : Not available  
**Chemical Formula** : Not available  
**Brand** : PANCASAKTI  
**1.2 Manufacturer** : PT. Pancasakti Putra Kencana  
**Address** : Ruko Boulevard TamanTekno Blok E No.10 -11BSD SektorXI  
 Serpong, Tangerang - Indonesia  
**Website** : [www.pancasakti.co.id](http://www.pancasakti.co.id)  
**Email** : sales@pancasakti.co.id  
**For information** : Telp: +62-21- 7588 0205(Hunting) , fax:+62-21-7588 0198  
**1.3 Application** : Industrial solvent  
**Emergency Telephone:** +62-21-7588 0205(Hunting)

### Section 2 - Hazards Identification

#### 2.1 Classification of the substance or mixture

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

- Flammable liquid: Category 2
- Specific target organ toxicity (single exposure) : Category 1
- Specific target organ toxicity (single exposure) : Category 3 (respiratory tract irritation)
- Specific target organ toxicity (repeated exposure) : Category 1
- Acute Toxicity(oral) : Category 4

For the full text of the H-Statements mentioned in this Section, see Section 16

#### 2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Danger

Hazard statement(s)


- |       |  |
|-------|--|
| H319: | Causes serious eye irritation                                  |
| H335: | May cause respiratory irritation                               |
| H336: | May cause drowsiness or dizziness                              |
| H361: | Suspected of damaging fertility or the unborn child            |
| H370: | Causes damage to organs  |
| H372: | Causes damage to organs through prolonged or repeated exposure |

Precautionary statement(s)

- Precaution

p201:

Obtain special instructions before use.


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p201:	Do not handle until all safety precautions have been read and understood.
P210:	Keep away from heat/sparks/open flames/ hot surfaces – No smoking.
P233:	Keep container tightly closed.
P241:	Use explosion - proof electrical / ventilating / lighting equipment.
P242:	Use only non-sparking tools.
P243:	Take precautionary measures against static discharge.
P260+P261:	Do not breathe dust/fume/gas/mist/vapours/spray.
P264:	Wash thoroughly after handling.
p270:	Do not eat, drink or smoke when using this product.
P271:	Use only outdoors or in a well-ventilated areas.
P280:	Wear protective gloves/protective clothing/eye protection/face protection.
p281:	Use personal protective equipment as required.
<b>- Treatment:</b>	
P303+P361+P353:	If On SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340:	If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
p305+p351+p338 :	If In eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307+P311:	If exposed: call a POISON CENTER or doctor/physician.
p308+p313:	If exposed or concerned: Get medical advice/attention.
P312:	Call a POISON CENTER or doctor/ physician if you feel unwell.
P314:	get medical advice/attention if you feel unwell.
P321:	Specific treatment (see ... on this label).
p337+P313:	If eye irritation persists: Get medical advice/attention.
P370+P378:	In Case of Fire: Use water spray, Carbon dioxide, alcohol-resistant foam , Dry chemical, general foam.
<b>- Storage:</b>	
P403+P235+P233:	Store in a well ventilated place. Keep cool and container tightly closed.
P405:	Store locked up.
<b>- Disposal:</b>	
P501:	Dispose the contents/container in accordance with local/regional/national/ international regulations.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## Section 3 - Composition, Information on Ingredients

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### 3.1 Substances

#### Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Acetone CAS-No. : 67-64-1 EC-No. : 200-662-2 Index-No. : 606-001-00-8	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3; H225, H319, H336	passes
Propylene Glycol Monomethyl ether (C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> ) (1-Methoxy-2-Propanol PM, PGME) CAS : 107-98-2	Flam. Liq. 2; Acute Tox. 4; Eye Irrit. 2; STOT SE 3; H225, H332, H319, H335 Concentration limits: 20 %: STOT SE 3, H335;	
Propylene glycol Monomethyl acetate (C <sub>6</sub> H <sub>12</sub> O <sub>3</sub> ) (1-Methoxy-2-Propanol acetate METHYL PGMEA, PMA) CAS : 108-65-6	Flam. Liq. 2; Acute Tox. 4; Eye Irrit. 2; STOT SE 3; H225, H332, H319, H335 Concentration limits: 20 %: STOT SE 3, H335;	
Methyl 3-Methoxy Propionate (MMP)	Flam. Liq. 2; Acute Tox. 4; Eye Irrit. 2; STOT SE 3; H225, H332, H319, H335 Concentration limits: 20 %: STOT SE 3, H335;	

For the full text of the H-Statements mentioned in this Section, see Section 16.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

#### General advice


Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

- Move victim to place with fresh air and not contaminated area.
- Allow the victim to rest in a well ventilated area.
- If breathing has stopped, perform artificial respiration.
- Get medical attention as soon as possible

#### In case of skin contact

- Wash with a plenty of water and soap.
- If this chemical penetrates the clothing, immediately remove the clothing and flush the skin with water.

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- Wash and dry carefully before reuse.
- Where there is evidence of skin irritation, get medical attention

**In case of eye contact**

- In case of contact with substance, immediately flush eyes with running water for more than 15 minutes.
- Get immediate medical advice/attention.

**If swallowed**

- Seek immediate medical attention

**Notes to physician**

- Get immediate medical advice/attention if exposure
- Keep victim warm and quiet.
- Move victim to fresh air.
- Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

## Section 5 - Firefighting Measures

**5.1 Extinguishing media**

## 1) Suitable extinguishing media

Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray

## Unsuitable extinguishing media

Do not use straight streams. Do not use dry chemical extinguishers to control fires involving nitromethane or nitroethane

## In case of major fire and large quantities:

- Water spray, fog or alcohol-resistant foam.

## Tank/trailer/train truck fire:

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Do not get water inside containers.
- Cool containers with flooding quantities of water until well after fire is out.


## 2) Specific hazards arising from the chemical

## Thermal decomposition products

- Those substances may polymerize explosively when heated or involved in a fire.
- When heated to decomposition it emits acrid smoke and fumes.

## Fires or explosion

- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.
- Vapours may explode when mixed with air.
- Vapour or gas may travel from a distance in an instance after ignition.
- When heated, vapours may form explosive mixtures with air: indoors, outdoors and sewers explosion hazards.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined

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areas (sewers, basements, tanks).  
 -Containers may explode when heated.

3) Special protective equipment and precautions for fire-fighters

- Move containers from fire area if you can do it without risk.
- Cool containers with flooding quantities of water until well after fire is out.
- Sprinkle with fine water spray volume.
- Do not extinguish fire unless flow can be stopped.
- Use a fire extinguisher appropriate for surroundings fire.
- Do not inhale the substance itself or the burning artifact.
- Stay up wind and keep out of low areas.
- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.
- ALWAYS stay away from tanks engulfed in fire.
- Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

For disposal see section 13.


## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

- DO NOT eat, drink or smoke in product area.
- Ventilate entire areas or by local ventilation system.
- Wash thoroughly after handling.
- Wear suitable and approved protective equipment.
- Avoid contact with skin, eyes and cloths.
- Do not breathe gas/fumes/ vapour/spray.
- Obtain special instructions before use.
- Do not handle until safety precautions have been read and understood.
- Keep away from waterways and sewers.

### 7.2 Conditions for safe storage, including any incompatibilities

- Flammable materials should be stored in a separate safety storage cabinet or room.
- Keep away from heat. Keep away from sources of ignition.
- Keep container tightly closed.

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- Keep in a cool, well-ventilated place.
- Ground all equipment containing material.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## Section 8 - Exposure Controls, Personal Protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### Appropriat engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Full contact

Material: Nitrile rubber  
 Minimum layer thickness: 0.11 mm  
 Break through time: 480 min  
 Material tested:Dermatril® (KCL 740, Size M)

##### Splash contact

Material: Nitrile rubber  
 Minimum layer thickness: 0.11 mm  
 Break through time: 480 min  
 Material tested:Dermatril® (KCL 740, Size M)

##### Body Protection


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

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) 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).

##### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains

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## Section 9 - Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance	Form: clear, liquid
	Colour: colourless
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezingpoint	No data available
Initial boiling point and boiling range	No data available.
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: noctanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

### 9.2 Other safety information

No data available

## Section 10 - Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

- Conditions to be avoided : Heating
- Substances to be avoided : oxidizing agent
- highly inflammable
- unstable working materials : various plastics, rubber

### 10.4 Conditions to avoid


- Keep away from heat/sparks/open flames/ hot surfaces – No smoking.

### 10.5 Incompatible materials

- Oxidizing agent, combustible materials, metals, halogens, metal carbide, acids, amines

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides  
In the event of fire: see section 5

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## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

- 1) Routes of entry : Dermal contact, Eye contact, inhalation, Ingestion.
- 2) Symptoms : No information available
- 3) Acute toxicity :
  - LD50 (inhalation, rat) : > 16,000 ppm(V)/4h
  - LD50 (dermal, rat) : > 2,000 mg/kg
  - LD50 (oral, rat) : > 5,000 mg/kg
- 4) Chronic Toxicity or delayed Toxicity : Long period attachment will irritate to skin

## Section 12 - Ecological Information

### 12.1 Toxicity

- Aquatic Ecotoxicity
- Acute toxicity: Not classified
  - Chronic toxicity: Not classified
  - Fish : 96hr-LC<sub>50</sub>(*Pimephales promelas*) = 320mg/L
  - Crustacea : No information available
  - Algae : 72hr-EC<sub>50</sub> > 120 mg/L

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects


No data available.

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

- 1) Disposal method
  - Incinerate the waste.
  - Dispose of material container in accordance with waste treatment management regulation.
- 2) Disposal precaution
  - Consider the require attention in accordance with waste treatment management regulation (U.S. EPA 40 CFR 262. Hazard Waste No: D001, D002, D003, U008).



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## Section 14 - Transport Information

**14.1 UN number**

ADR/RID: 1993

IMDG: 1993

IATA: 1993

**14.2 UN proper shipping name**

ADR/RID: FLAMMABLE LIQUID

IMDG: FLAMMABLE LIQUID

IATA: FLAMMABLE LIQUID

**14.3 Transport hazard class(es)**

ADR/RID: 3

IMDG: 3

IATA: 3

**14.4 Packaging group**

ADR/RID: III

IMDG: III

IATA: III

**14.5 Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**14.6 Special precautions for user**

No data available

Emergency schedule for fire : F-E

Emergency schedule for spillage : S-D

## 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 Regulation (EC) No. 1907/2006.

**15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

## Section 16 - Additional Information

**Full text of H-Statements referred to under sections 2 and 3.**

H319: Causes serious eye irritation

H335: May cause respiratory irritation

H336: May cause drowsiness or dizziness

H361: Suspected of damaging fertility or the unborn child

H370: Causes damage to organs

H372: Causes damage to organs through prolonged or repeated exposure

**National Fire Protection Association (U.S.A.):**

Health: 1

Flammability: 3

Reactivity: 1

Special: -

**Revision history :**

Date	Rev	Description
08 June 21	00	-
19 Octo 22	01	thorough revision

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**Further information**

*The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. PT. Pancasakti Putra Kencana Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.*