

**PT SUMBER BANYU BIRU**

JL.DR.SURATMO NO 91 GISIKDIRONO SEMARANG BARAT SEMARANG  
JAWA TENGAH INDONESIA

**MATERIAL SAFETY DATA SHEET**

Revision No. : 02

Date of Revision.:  
14.05.2020**Section 1: Chemical Product and Company Identification**

<b>Product Name:</b>	Pine Oil 50%
<b>Catalog Codes:</b>	NA
<b>CAS#:</b>	8002-09-3
<b>RTECS:</b>	TK5100000
<b>TSCA:</b>	TSCA 8(b) inventory: Pine Oil 85%
<b>CI#:</b>	Not available.
<b>Synonym:</b>	NA
<b>Chemical Formula:</b>	PT KRISHNA SUKSES ABADI
<b>Contact Information:</b>	Jl Boutique Office Park Kemayoran B 20, Jakarta Pusat, 10630 , Indonesia
<b>Address:</b>	(021)-654966,22608110,22604118
<b>Phone :</b>	

**Section 2 : Hazards Identification**

**PT SUMBER BANYU BIRU**

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JAWA TENGAH INDONESIA

**MATERIAL SAFETY DATA SHEET**

Revision No. : 02

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14.05.2020**Potential Acute Health Effects:**

Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

**Potential Chronic Health Effects:**

Very hazardous in case of ingestion.

Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

**Section 3 : Composition and Information on Ingredients****Composition:**

Name	CAS #	% by Weight
Pine Oil 50%	8002-09-3	100

**Toxicological Data on Ingredients:** Pine Oil LD50: Not available. LC50: Not available.

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Revision No. : 02

Date of Revision.:  
14.05.2020**Section 4: First Aid Measures****Eye Contact**

Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

**Skin Contact:**

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

**Serious Skin Contact:**

Wash with a disinfectant soap and cover the contaminated skin with an antibacterial cream. Seek medical attention.

**Inhalation:**

Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Serious Inhalation:**

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

**Ingestion:**

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Not available.

**Serious Ingestion:****Section 5 : Fire and Explosion Data**

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Combustible.

**Auto-Ignition Temperature:**

Not available.

**Flash Points:**

CLOSED CUP: 77.78°C (172.4°F).

**Flammable Limits:**

Not available.

**Products of Combustion:**

Not available

**Fire Hazards in Presence of Various Substances:**

Flammable in presence of open flames and sparks, of heat.

**Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact:

Not available.

Risks of explosion of the product in presence of static discharge:

Not available.

**Fire Fighting Media and Instructions:**

SMALL FIRE:

LARGE FIRE:

Use DRY chemical powder.

Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:**

Not available.

**Special Remarks on Explosion Hazards:**

Not available.

**Section 6 : Accidental Release Measures**

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<b>Small Spill:</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<b>Large Spill:</b>	Combustible material. Keep away from heat. Keep away from heat. Keep away from sources of ignition, Stop leak if without risk.

**Section 7 : Handling and Storage**

<b>Precautions:</b>	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas / fumes / vapour / spray. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical attention and show the container or the label when possible. Avoid contact with skin and eyes
<b>Storage:</b>	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. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

**Section 8 : Exposure Controls/Personal Protection**

<b>Engineering Controls:</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>Personal Protection:</b>	Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved / certified respirator or equivalent, Gloves.
<b>Personal Protection in Case of a Large Spill:</b>	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.
	Not available.

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JAWA TENGAH INDONESIA

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Liquid.

**Odour:**

Pleasant, with piney sweet floral

**Taste:**

Not available.

**Molecular Weight:**

Not available

**Section 9 : Physical and Chemical Properties**

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Revision No. : 02

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pH (1%  
soln/water):**

Clear, Colourless, liquid.

Not available.

**Boiling Point:**

210°C (410°F)

**Melting Point:**

Not available

**Critical Temperature:**

Not available.

**Specific Gravity:**

0.927- 0.932 at 20°C

**Vapour Pressure:**

Not available

**Vapour Density:**

5.3 (Air = 1)

**Volatility:**

Not available.

**Odour Threshold:**

Not available.

**Water/Oil Dist. Coeff.:**

Not available.

**Ionicity (in Water):**

Not available.

**Dispersion Properties:**

Not available.

**Solubility:**

Insoluble in cold water, freely soluble in ethanol( 70%), soluble in ether.

**Refractive index:**

1.477 -1.482 at 20°C.

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<b>Stability:</b>	The product is stable.
<b>Instability Temperature:</b>	Not available.
<b>Conditions of Instability:</b>	Not available.
<b>Incompatibility with various substances:</b>	Not available.
<b>Corrosivity:</b>	Non-corrosive in presence of glass.
<b>Special Remarks on Reactivity:</b>	Not available.
<b>Special Remarks on Corrosivity:</b>	Not available.
<b>Polymerization:</b>	No.

**Section 11 : Toxicological Information**

<b>Routes of Entry:</b>	Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals:</b> LD50: LC50:	Not available. Not available.

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JAWA TENGAH INDONESIA

**MATERIAL SAFETY DATA SHEET**

Revision No. : 02

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14.05.2020**Section 11 : Toxicological Information****Chronic Effects on Humans:**

Not available.

**Other Toxic Effects on Humans:**Very hazardous in case of ingestion.  
Hazardous in case of skin contact (irritant), of inhalation.**Special Remarks on Toxicity to Animals:**

Not available.

**Special Remarks on Chronic Effects on Humans:**

Not available.

**Special Remarks on other Toxic Effects on Humans:**

Not available.

**Section 12 : Ecological Information****Ecotoxicity:**

Not available.

**BOD and COD:**

Not available.

**Products of Biodegradation:**Possibly hazardous short term degradation products are not likely.  
However, long term degradation products may arise.**Toxicity of the Products of Biodegradation:**

The products of degradation are more toxic.

**Special Remarks on the Products of Biodegradation:**

Not available.

**Section 13 : Disposal Considerations**

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JAWA TENGAH INDONESIA

**MATERIAL SAFETY DATA SHEET**

Revision No. : 02

Date of Revision.:  
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**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Section 14 : Transport Information****DOT Classification:**

Not a DOT controlled material (United States).

**Identification:**

Not applicable.

**Special Provisions for Transport:**

Not applicable.

**Section 15: Other Regulatory Information****Federal and State Regulations:**

TSCA 8(b) inventory: Pine Oil 85%

**Other Regulations:**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**Section 15: Other Regulatory Information**

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JAWA TENGAH INDONESIA

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Revision No. : 02

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WHMIS (Canada):**

CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

**DSCL (EEC):**

R36/38- Irritating to eyes and skin.

**HMIS (U.S.A.):****Health Hazard:**

0

**Fire Hazard:**

2

**Reactivity:**

0

**Personal Protection:**

h

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

0

**Health:**

2

**Flammability:**

0

**Reactivity:****Specific hazard:****Protective Equipment:**

Gloves, Lab coat, Vapour respirator, Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is in- adequate. Splash goggles.

**Section 16 : Other Information**

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14.05.2020**References:** Not available.**Other Special Considerations:** Not available.**Created:** 14.01.2019 **Last****Updated:** NA

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