

SAFETY DATA SHEET

Date of issue : September 2021

SIMA THINNER 42-00
SECTION 1 Identification of the substance

Trade Name	SIMA THINNER
Product Code	42-00
Product Type	Liquid
Manufacturer's data	PT. SIGMA UTAMA Jl. Landbouw No.1 Citeureup – Bogor, INDONESIA + 62-21-87 3042 (Fax)
Emergency Telephone No.	+ 62-21-87 6310 (Office Hours)

SECTION 2 Hazard identification

OSHA/HCS Status	Considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
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Classification of the substance or mixture	FLAMMABLE LIQUID – Category 3 SKIN CORROSION/IRRITATION - Category 2 ACUTE HAZARDS TO THE AQUATIC ENVIRONMENT – Category 2 ACUTE CHRONIC – Category 2
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Label elements

Hazard pictograms



Signal Word	Danger
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Hazard Statements	H411 Toxic to aquatic life with long lasting effects. H336 May cause drowsiness or dizziness. H304 May be fatal if swallowed and enters airways. H226 Flammable liquid and vapour.
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Precautionary statements

Prevention	Avoid breathing vapors, spray or mists. Wear protective gloves/protective clothing/eye protection/face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep out of reach of children. Keep container tightly closed. Use personal protective equipment as required.
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Response	Get medical attention if you feel unwell In case of fire, use alcohol resistance foam to extinguish
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Storage	Store in a cool, well-ventilated area Store in a cool, well-ventilated area
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Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulation
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Hazardous ingredients	Hydrocarbons C9-C12, n-alkanes, iso alkanes, cyclics, aromatics
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Other Hazards	None
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SECTION 3 Composition

Ingredient	CAS No	Conc. range (%)	GHS Classification
Hydrocarbons C9-C12, n-alkanes, iso alkanes, cyclics, aromatics	64742-80-9	100	Flam. Liq.2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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Concentrations shown as range to protect confidentiality or due to batch variation.

There are no additional ingredients presents which, within the currenet knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and environment and hence require reporting in this section

SECTION 4 First Aid Measure

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If breathing is irregular, drowsiness, loss of consciousness or cramps : call 112 and give immediate treatment (first aid)

Eye contact	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention.
Inhalation	Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service
Skin contact	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not apply (chemical) neutralizing agents. Remove clothing before washing. Take victim to a doctor if irritation persists
Ingestion	If swallowed, rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not give milk/oil to drink. Do not induce vomiting. Give activated charcoal. Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital.
Protection of first-aider	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

SECTION 5 Fire Fighting Measure

Suitable extinguishing media:.

Extinguishing media	Recommended : Quick-acting ABC powder extinguisher. Quick-acting BC powder extinguisher. Quick-acting class B foam extinguisher. Quick-acting CO2 extinguisher. Class B foam (not alcohol-resistant) Alcohol resistant foam, CO2 ,powder, water spray (foam) Not to be used : Water (quick-acting extinguisher, reel); risk of puddle expansion. Water; risk of puddle expansion.
Hazards from the substance or mixture	DIRECT FIRE HAZARD: Highly flammable liquid and vapour. Gas/vapour flammable with air within explosion limits. INDIRECT FIRE HAZARD: May build up electrostatic charges: risk of ignition. May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard. Reactions involving a fire hazard: see "Reactivity Hazard". DIRECT EXPLOSION HAZARD: Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD: may be ignited by sparks. Reactions with explosion hazards: see "Reactivity Hazard". Reactivity: Reacts violently with (some) halogens. Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Violent to explosive reaction with (some) acids.
Special equipment for fire fighter	Heat/fire exposure: compressed air/oxygen apparatus. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6 Accidental release measurement

Personal precautions, protective equipment and emergency procedures	No action shall be taken involving any personal risk or without suitable training. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations. Avoid all direct contact with the spilled material.
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Exclude sources of ignition and be aware of explosion hazard. Ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8.

Environmental precautions Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities

Methods for cleaning up Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Contaminated absorbent material may pose the same hazard as the spilled product.

SECTION 7 Handling and storage

Handling Vapor are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. In addition, the product should be used only in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap. No sparking tools should be used. Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see section 8. Always keep in containers made from the same material as the original one.

Storage Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep out of the reach of children. Keep away from : Oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations.

SECTION 8 Exposure control/personal protection

Ingredient	Exposure limit
Hydrocarbons C9-C12, n-alkanes, iso alkanes, cyclics, aromatics	OSHA 2013 WEL : 350 mg/m ³ 8 hours.

Personal Protection



Use a NIOSH APPROVED RESPIRATOR
 Use GOGGLES OR FACE SHIELD
 RUBBER GLOVES AS NEEDED
 USE APRON OR OTHER CLOTHING TO AVOID SKIN CONTACT

Personil protective equipment should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Use a properly fitted, air-purifying or air fed respirator complying with an approved standard. Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. Safety eyewear should be used when there is a likelihood of exposure

Engineering controls Keep gas, vapor, or dust cocentration below any lower explosive limit. Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit

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value. Ensure that eyewash stations and safety showers are proximal to the work-station location

Hygiene measures Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Environmental exposure controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filter or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels

SECTION 9 Physical and chemical properties

Physical Liquid clear transparent
 Odor Solvent-like
 Flash point 27 °C
 Vapor density Heavier than air
 Specific density 0.78 ± 0.10 kg / liter
 Viscosity 10-12 Second /DIN 4/20°C
 Solubilities Insoluble : cold & hot water

SECTION 10 Stability and reactivity

Reactivity and chemical stability This product is stable. Reacts violently with (some) halogens. Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Violent to explosive reaction with (some) acids.

Incompatible material Strong oxidizers.
 Hazardous decomposition products Carbon dioxide. Carbon monoxide.

Conditions to avoid Avoid all possible sources of ignition (spark or flame). Do not pressurized, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition

SECTION 11 Toxicological information

Ingredient	Oral LD 50, mg/kg	Skin LD 50, mg/kg	Inhalation vapor LD 50, mg/l/4 hours
Hydrocarbons C9-C12, n-alkanes, iso alkanes, cyclics, aromatics	5000 mg/kg, rat	4000 mg/kg, rabbit	No data

SECTION 12 Ecological information

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	96 hr EC50 algae, mg/l
Hydrocarbons C9-C12, n-alkanes, iso alkanes, cyclics, aromatics	10 Fish	10 Daphnia	4,6 – 10 Algae

Environmental precaution : harmful to aquatic organism, may cause long term adverse effect in the aquatic environment

SECTION 13 Disposal consideration

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations.

Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Spillage, remains, discarded clothes and similar should be discarded in a fireproof container.




The information presented below only applies to the material as supplied. The identification based on characteristic or listing may not apply if the material has been used or otherwise contaminated.

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SECTION 14 Transport information

Transport within user's premises	Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage
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	UN no.	Proper shipping name		Transport hazard class(es)	PG*	Env*	Additional information
ADR/RID Class	UN 1263	Paint	3 -		III	Yes	
IMDG Class	UN1263	Paint	3 -		III	Yes	
IATA Class	UN1263	Paint	3 -		III	Yes	

PG* : Packing group

Env* : Environmental hazards

SECTION 15 Regulatory information

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

SECTION 16 Other information

 Abbreviation and
acronyms
Disclaimer

 GHS = Globally Harmonized System of Classification and Labelling of
Chemicals

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