SAFETY DATA SHEET

Date of issue : September 2021

SIMA ETCH PRIMER 1308-00

SECTION 1 Identification of the substance

Trade Name	**SIMA ETCH PRIMER**
Product Code	**1308-00**
Product Type	Solvent based
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)
Classification of the substance or mixture	FLAMMABLE LIQUIDS – Category 3 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) – Category 3 AQUATIC TOXICITY (CHRONIC) – Category 2

Label elements

Hazard pictograms

Signal Word Warning

Hazard Statements

H336-May cause drowsiness or dizziness
H226- Flammable liquid and vapor
H315- Causes skin irritation
H317- May cause an alergic skin raction
H411- Toxic to aquatic life

Precauitionary 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.
Response	IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs : get medical attention
Storage	Store in a cool, well-ventilated area Store in a cool, well-ventilated area
Disposal	Dispose of contents and container in accordance with all local, regional, national and internasional regulation
Hazardous ingredients	xylene,

SECTION 3 Composition

Ingredient	CAS No	Conc. range (%)	GHS Classification
Xylene	64742-88-7	10-20	Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335
Titanium dioxide	13463-67-7	5-10	--------
Bisphenol A - epicholorohydrin	25068-38-6	5-10	Skin Irrit H317 Eye Irrit H318 Asp. Tox. H335 Fertility Dam H360
Iso propyl alcohol	67-63-0	10-25	Flam. Liq. 3;H226

Concentrations shown as range to protect confidentiality or due to batch variation.
There are no additonal 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 to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and get medical attention immediately

Skin contact Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners

Ingestion If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat

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

Extinguishing media Recommended : Alcohol resistant foam, CO_2 ,powder, water spray (foam)
Not to be used : water jet

Hazards from the Flammable liquid and vapor. In a fire or heated, a pressure increase will occur and the

substance or mixture	container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	Decomposition products may include the following materials : carbon oxides metal oxide/oxides.
Special equipment for fire fighter	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. 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 requlations.

SECTION 8 Exposure control/personal protection

Ingredient	Exposure limit
Iso propyl Alcohol	OSHA TWA : 980 mg/m^3 8 hours.
Xylene	OSHA 2013 TWA : ppm (435 mg/m^3)
Titanium Dioxide	OSHA PEL TWA 15 mg/m^3

Personal Protection

Use a NIOSH APPROVED RESPIRATOR
Use GOGGLES OR FACE SHIELD
RUBBER GLOVES AS NEEDED
USE APPRON 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 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-white
Odor	Solvent-like
Flash point	12^{U}C
Vapor density	Heavier than air
Spesific density	1,00 ± 0.15 kg /litre
Viscosity	20-25 sec/DIN4 cup
Solubilities	Insoluble in water

SECTION 10 Stability and reactivity

Reactivity and chemical stability	**Conditions to avoid** : Avoid temperatures above 60°C (140 F), direct sunlight and contact with sources of heat. **Hazardous reactions** : Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	Under norma conditions of storage and use, hazardous decomposiiton products should not be produced
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
Xylene	4300 mg/kg, rat	200-5000 mg/kg, Rabbit	No data
Titanium dioxide	No data	No data	No data
Iso propyl alcohol	3600 mg/kg, mouse	12800 mg/kg, Rabbit	16000 mg/kg, rat

SECTION 12 Ecological information

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	96 hr EC50 algae, mg/l
Titanium dioxide	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
Xylene	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Iso propyl Alcohol	5000, Goldfish	8970, Golden orfe	1000, Feated Minnow

Environmental precaution : harmful to aquatic organism, may cause long term adeverse 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.

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

	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	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
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