



P.T. LAUTAN WARNA SARI
DYESTUFF, CHEMICAL AND MODIFIED STARCH

MATERIAL SAFETY DATA SHEET

1. COMPANY INFORMATION

Company : PT. LAUTAN WARNA SARI
Address : KP. BLOK MUARA CIWIDEY RT 01/ RW 01
CILAMPENI – KATAPANG BANDUNG 40971
Telp. : (022) - 5892556
Fax. : (022) - 5892554

2. CHEMICAL PRODUCT

Material Identify

Product Code Name: **PRIMAWET NSU**

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Appearance 25°C : Clear liquid.
Odor : Mild Odor.

WARNING STATEMENT

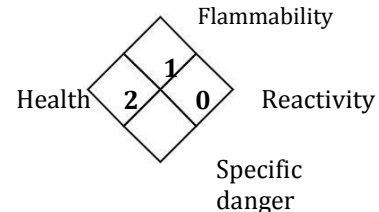
WARNING! CAUSED EYE IRRITATION
ASPIRATION HAZARDS IF SWALLOWED CAN
ENTER LUNGS AND CAUSE DAMAGE
MAY CAUSE DELAYED SKIN DAMAGE BASED ON ANIMAL DATA MAY
CAUSE RESPIRATORY TRACT IRRITATION

Hazardous
Material
Information
System
(United
States)

	3
Fire	
Reactivity	0
Personal Protection	

National Fire
Protection
Association

NFPA (United States)



HEAD OFFICE : Kp. Muara Ciwidey RT/RW: 01/01, Cilampeni, Katapang - Bandung 40971 - INDONESIA
Phone (022) 5892556 - 59 Fax. (022) 5892554

E-mail : lwsbandung@yahoo.com

BRANCH OFFICES : Jl. Daan Mogot No. 100 Komp. Taman Surya Block CC 15
Phone : (021) 5684908, 5681251, Fax. (021) 5681252, Jakarta 14620
GRIYA BABAKAN MUKTI Blok N.63 - Kecamatan Wiyung - Surabaya, Phone : (031) 7530175, Fax : (031) 7530175



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POTENSIAL HEALTH EFFECTS

Primary Route of Exposure

Eye X Skin X Inhalation X Ingestion

Effects of Overexposure

Acute:

Eyes:

Causes irritation, experienced as pain, with excess blinking and tear production, and seen as marked excess redness and swelling of the eye with injury to cornea.

Skin:

Brief contact may cause slight irritation, prolonged contact, as with clothing wetted with material, may cause more severe irritation and discomfort, seen as local redness and swelling. Other than the potential skin irritation effects noted above, acute (short term) adverse effects are not expected from brief skin contact, see other effects below and section 11 for information regarding potential long term effect.

Inhalation:

Vapors or mist, especially as generated from heating the material or as from exposure in poorly ventilated areas or confined spaces maybe irritating and cause discomfort in nose or throat, nasal discharge and coughing. Prolonged overexposure may cause breathing difficulty.

Ingestion:

If more than several mouthful are swallowed, abdominal discomfort, nausea and diarrhea may occur. Aspiration may occur during swallowing or vomiting resulting in lung damage.

Sensitization Properties:

Unknown

Chronic:

No adverse effects have been documented in humans as a result of chronic exposure. Section 11 may contain applicable

Medical conditions aggravated by exposure:

There is no evidence that this product aggravates an existing medical condition.

Other remarks : None

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4. FIRST AID MEASURES

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Do not attempt to neutralize with chemical agents. Obtain medical attention immediately. Continue flushing for an additional 15 minutes if the medical attention is not immediately available.

Skin:

Wash skin with plenty of soap and water several minutes. Get medical attention if skin irritation develops or persists.

Ingestion:

If person is conscious and can swallow give two glasses of water (16 Oz) but do not induce vomiting. If vomiting occur, give fluids again. Have medical personal determine if evacuation of stomach or induction of vomiting is necessary. Do not give anything by mouth to an unconscious or convulsing person.

Inhalation:

If inhaled remove to fresh air. If not breathing, clear person's airway and give artificial respiration. If breathing is difficult, qualified medical personnel may administer oxygen. Get medical attention immediately.

Other Instruction:

Aspiration of this product during induced emesis may result in sever lung injury. If evacuation of stomach is necessary, use method less likely to cause aspiration, such as gastric lavage after end tracheal intubation. Contact a poison center for additional treatment information.

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5. FIRE FIGHTING MEASURES

Ignition Temperature – AIT (degrees C) : Not determined

Flammable Limits (%) (Lower – Upper) : Lower: Not Determined Upper: Not Determined

Recommended Fire Extinguishing Agents And Special Procedures:

Use water spray, dry chemical, foam, or carbon dioxide to extinguish flames.

Use water spray cool fire-exposed containers. Water or foam may cause frothing.

Unusual or Explosive Hazards: None

Special Protective Equipment for Firefighters:

Wear full protective clothing and positive pressure breathing apparatus.

Approach fire from up wind to avoid hazardous vapors and toxic decomposition products.

6. ACCIDENTAL RELEASE MEASURES (Transportation Spills)

Procedure in Case of Accidental Release, Breakage or Leakage:

Ventilate area avoid breathing vapor. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe or absorb on suitable material and shovel up. Prevent entry into sewer or waterways. Avoid contact with skin, eyes and clothing.

7. HANDLING AND STORAGE

Precautions to be taken in

Handling:

Minimum feasible handling temperatures should be maintained. Eyewash should be available.

Storage:

Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Protective Equipment (Type)

Eye/Face Protection:

Avoid eye contact. Chemical type goggles with face shield Must be worn. Do not wear contact lenses.

Skin Protection:

Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned.

Respiratory Protection:

Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational Exposure limit of the product, or any component of the products, is

exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

Ventilation :

Local exhaust ventilation recommended if generation vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate.

Exposure Limit for the Total Product :

None established for product.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear liquid.
Odor	:	Mild Odor
Boiling Point	:	Not Determined
Solidification Point	:	2 °C
		50 - 56°C (1% aq.
Cloud Point	:	soln)
Flash Point	:	185 °C
Density at 70°C (g/cm ³)	:	0.908 – 0.911
pH	:	5.5 – 7.5
Solubility in water (%)	:	> 10
Other	:	None

10. STABILITY AND REACTIVITY

This material reacts violently with:

Air, water, heat, strong oxidizers, other, none of these X

Comments:

None

Products Evolved When Subjected to Heat or Combustion:

Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones may be formed on burning. Heating in air may produce irritating aldehydes, acids and ketones.

Hazardous Polymerization:

DO NOT OCCUR

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)

Oral: LD50 > 2.00 g/kg (rat) practically non- toxic

Inhalation: Not determined

Dermal : LD50 > 2.00 g/kg (rabbit) practically non-toxic

IRRITATION INDEX ESTIMATION OF IRRITATION (SPECIES)

Skin : (Draize) 1.83 / 8.0 (rabbit) slightly irritating

Eyes : (Draize) 32.50 / 110 (rabbit) severely irritating

Sensitization: Not determined

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Other:

Necrosis was seen in animals a few days after dermal application of this product or component of this product. However, the skin returns to a normal condition within an observation period. This product may contain residual (less than 100 ppm) concentrations of ethylene oxide. Ethylene oxide causes tumors in laboratory animals.

12. DISPOSAL CONSIDERATIONS

Waste Disposal Methods:

This product has been evaluated for RCRA characteristic and does not meet the criteria of a

hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because products uses, transformations, mixtures, processes, etc, may render the resulting materials hazardous.

Remarks: None

13. ENVIRONMENTAL INFORMATION

Base on the components contained in the product and or structurally comparable substances the following ecological data are to be expected:

Degradability:

The material is quickly degraded:

All individual organic components contained in the product are, with at least 80% BOD 28/COD in the Closed Bottle Test or with at least 70% DOC removal in the Modified OECD Screening Test, readily biodegradable according to OECD classification. The surfactant contained in the product oblige by the biodegradability requirements of the surfactant.

14. TRANSPORT INFORMATION

DOT Classification: CLASS 8: CORROSIVE LIQUID, TOXIC

Identification: : Corrosive ,Toxic Liquid, Organic, n.o.s (Glutaraldehyde solution) UNNA: 2922

PG:III

Special Provisions for Transport: Not available.

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15. OTHER REGULATORY INFORMATION

Federal and State Regulations:

Pennsylvania RTK: Glutaraldehyde

Florida: Glutaraldehyde

Massachusetts RTK: Glutaraldehyde

New Jersey: Glutaraldehyde

California Director's list of Hazardous Substances: Glutaraldehyde

TSCA 8(b) inventory: Glutaraldehyde; Water

TSCA 8(a) PAIR: Glutaraldehyde

TSCA 8(d) H and S data reporting: Glutaraldehyde: 9/30/91 to 9/30/01

Other Regulations:

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

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

16. OTHER INFORMATION

Information : MSDS Creation Date: January 21st, 2021

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