

## SAFETY DATA SHEET

### FASTICK 400 SL ADJUVANT

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT** : FASTICK 400 SL  
**Product Use** : Wetting agents, sticker, spreader and pesticide penetrant in the form of a blue concentration in water. can be mixed with insecticides, fungicides and herbicides to increase the effectiveness of pesticides

#### COMPANY IDENTIFICATION:

**PT. Nufarm Indonesia**  
**Plaza Aminta Suite 802, 8<sup>th</sup> Floor**  
**Jl. Letjend TB. Simatupang Kav. 10**  
**Jakarta Selatan - 12310**

**Emergency Phone** : Office Jakarta +62-21-75904844  
Plant +62-254-5750061

#### 2. HAZARDS IDENTIFICATION



#### Signal: Danger

#### GHS Hazard Statements

H302 : Harmful if swallowed  
H318 : Causes serious eye damage  
H411 : Toxic to aquatic life with long lasting effects

#### Precautionary Statement

P264 : Wash skin thoroughly after handling  
P270 : Do not eat, drink or smoke when using this product  
P273 : Avoid release to the environment

P280 : Wear eye protection/face protection  
 P301+P312+P330 : If swallowed, call a poison centre/doctor if you feel unwell  
 P305+P351+P338 : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing  
 P330 : Rinse mouth  
 P337313 : IF eye irritation persists: Get medical advice/attention  
 P391 : Collect spillage

#### **Disposal Precautionary Statements**

P501 : Dispose of contents/container

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS NO	% BY WEIGHT
Surfactant Blend	xxx	≥ 40 < 50
Alkyl aril Polyglykol ester		

### **4. FIRST AID MEASURES**

**General advice** : Remove the victim from the area of exposure, wash off remaining material with plenty of water. In the event of any complaints or symptoms avoid further exposure. If swallowed seek medical advice immediately and show this container or label.

**Inhalation** : Move person to fresh air. Keep patient warm and at rest. Call a physician or poison control centre immediately

**Skin contact** : Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

**Eye contact** : Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

**Ingestion** : Do Not induce vomiting unless directed to do so by medical personal. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed. Loosen tight clothing such as collar, tie, belt or waistband. Get medical attention.

### **5. FIRE FIGHTING MEASURES**

**Specific hazard during fire fighting** : The pressure in sealed container can increase under the influence of heat. Aqueous liquid does not present any particular risk in event of a fire. Hazardous decomposition products formed under fire condition. High concentrations of toxic or harmful products in the residual liquid once the fire has been extinguished

<b>Extinguishing media</b>	: Use Carbon dioxide (CO <sub>2</sub> ), dry chemical or water spray and alcohol resistant aqueous film foaming foam (AR-AFFF)
<b>Fire/explosion hazard</b>	: If water is used to fight fire contain runoff, using dikes to prevent contaminantion of water supplies. Dispose of fire control water later
<b>Fire-fighting equipment</b>	: Wear protective pressure self-contained breathing apparatus with full clothing. Remain upwind. Avoid breathing smoke.
<b>Hazardous combustion products</b>	: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	: Wear appropriate protective gear for the solution
<b>Environmental precautions</b>	: Prevent material from entering public sewer system or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of top soil. The affected area should be removed and placed in an appropriate container for disposal.
<b>Method for containment</b>	: Dike spill using absorbent or impervious materials such as earth sand or clay. Collect and contain contaminated absorbent and dike material for disposal.
<b>Methods for cleaning up</b>	: Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations

## 7. HANDLING AND STORAGE

<b>Handling</b>	: Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, sparks and open flame, no smoking. Avoid contact with skin, eyes, splashes, formation of
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aerosol and clothing. Wear personal protective equipment, wear suitable protective clothing

**Storage** : Take all necessary measure to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer system. Store in a dry place and/ or closed container. Keep out of reach of children. Keep away from open flames, hot surface and source of ignition, Do not freeze

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameter** : Contains no substances with occupational exposure limit value above their regulatory reporting threshold

### **Exposure Controls**

**Control measure** : 

- Effective exhaust ventilation system
- Ensure adequate ventilation
- Extract at emission point
- Ensure that extracted air can not be the workplace through the ventilation system
- Avoid splashes
- Avoid formation of aerosol

### **Personal Protective Equipment**

**Eye/face Protection** : Avoid contact with eyes. Goggles

**Skin Protection** : Rubber gloves. Wear protective gloves/clothing

**Respiratory Protection:** This should be achieved by a good general extraction and if practically feasible by the use of a local exhaust ventilation. Use a respirator with an approved filter if a risk assessment indicates this necessary

### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State** : Liquid

**Appearance** : Light blue liquid

<b>Odor</b>	: Characteristic fastick 400 SL
<b>pH</b>	: 5.0 - 7.0 (in water)
<b>Density</b>	: ca. 1.01 gr/ml (25°C)
<b>Vapor Pressure (mm/Hg)</b>	: No data available
<b>Solubility in Water</b>	: Completely soluble
<b>Decomposition temperature</b>	: No data available
<b>Boiling Point</b>	: Not applicable
<b>Flammability</b>	: Not flammable

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	: Stable under recommended storage conditions
<b>Condition to avoid</b>	: Protect from open flame, excessive heat and sources ignition
<b>Incompatible Material</b>	: Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	: On combustion or on thermal decomposition (pyrolysis) release carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)
<b>Possibility of Hazardous Polymerization</b>	: No dangerous reaction known under condition of normal use

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	
<b>Oral</b>	: This product is classified as acute toxicity, category 4, Category approach CESIO
<b>Inhalation</b>	: No data available
<b>Dermal</b>	: Not classified as hazardous for acute dermal toxicity according to GHS. Category approach

<b>Skin corrosion/irritation</b>	: Not classified as irritating to skin, category approach, CESIO
<b>Serious eye damage/eye irritation</b>	: Irreversible effects on the eye, category approach, CESIO
<b>Respiratory or skin sensitization</b>	: Category approach, the product is not considered to be sensitizing by skin contact
<b>Carcinogenicity/chronic health</b>	: No information available
<b>Reproductive Toxicity</b>	: No information available
<b>Developmental Toxicity</b>	: No information available
<b>Genotoxicity</b>	: No information available
<b>STOT – single exposure</b>	: Exposure routes, Ingestion, skin contact. The substance or mixture is not classified as specific target organ toxicant, single exposure according to GHS criteria. Category approach, internal evaluation
<b>STOT – repeated exposure</b>	: Exposure routes, Ingestion. The substance or mixture is not classified as specific target organ toxicant, repeated exposure according to GHS criteria. Category approach, internal evaluation

## 12. ECOLOGICAL INFORMATION

### *Toxicology Aquatic*

<b>Acute toxicity to fish</b>	: Category approach Toxic to fish
<b>Acute toxicity to daphnia and other aquatic invertebrate</b>	: Category approach, toxic to aquatic invertebrates
<b>Toxicity to aquatic plants</b>	: Category approach, no adverse chronic effect observed up to and including the threshold of 1 mg/l
<b>Toxicity to microorganism</b>	: No data available
<b>Chronic toxicity to fish</b>	: No data available
<b>Chronic toxicity to daphnia and other aquatic</b>	: No data available

### *Persistence and degradability*

**Abiotic degradation** : No data available

**Physical and photochemical elimination** : No data available

**Biodegradability** : Ready biodegradability study, the substance does not fulfill the criteria for ready biodegradability and ultimate aerobic biodegradability, category approach, expert judgement

**Degradability assessment** : The product is not considered to be rapidly degradable in the environment

***Mobility in soil***

**Adsorption potential (Koc)** : No data available

**Known distribution to environmental compartments** : No data available

***Ecotoxicity assessment***

**Short-term (acute) aquatic Hazard** : Toxic to aquatic life

**Long-term (chronic) aquatic hazard** : Toxic to aquatic life long lasting effects

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal method** : Dispose of content/container in accordance with local regulation. Do not discharge directly into the environment. Do not dispose of with domestic refuse

**Container handling and disposal** : Completely empty packaging into application equipment. Dispose of empty packaging in a sanitary landfill or by incineration. Do not dispose of with domestic refuse

## 14. TRANSPORT INFORMATION

**Transport Information** : It is a good practice to separate this product from food, food related materials, animal feedstuffs, seed or fertilizers during transport

**ADR/RID/IATA**

**Identification Number** : UN 3082

**Class / Packing Group** : Class 9, Packing Group III



**Labelling** : 9

**Environmental hazards** : Yes

**Proper Shipping Name** : Environmentally Hazardous Substance, Liquid, N.O.S  
(Alkyl aril Polyglkol ester)

#### **IMDG**

**Identification Number** : UN 3082

**Class / Packing Group** : Class 9, Packing Group III

**Labelling** : 9

**Environmental hazards** : Yes

#### **Marine pollutant**

**Proper Shipping Name** : Environmentally Hazardous Substance, Liquid, N.O.S  
(Alkyl aril Polyglkol ester)

## **15. REGULATORY INFORMATION**

### **Safety, health and environmental regulation specific for the substance**

**Local regulation** : No data available

**Hazard Category** : **Not category Pesticides** (Indonesia Kompes)

**Packaging and Labeling** : Keep away from foodstuff and children  
Read the label before use

## **16. OTHER INFORMATION**

### **Refference**

• Geronol TM40B, SDS rev 04.05.2020, SOLVAY

**Please read all labels carefully before using product.**

## **17. REVISION LOG**

No.	Revision Date	Description	Revised By:
00	04 November 2020	New SDS	Erwin P. Tanjung