

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, 8th 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 Alkyl aril Polyglikol ester	xxx	$\geq 40 < 50$

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 personnel. 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
- Extinguishing media** : Use Carbon dioxide (CO₂), dry chemical or water spray and alcohol resistant aqueous film foaming foam (AR-AFFF)
- Fire/explosion hazard** : If water is used to fight fire contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later
- Fire-fighting equipment** : Wear protective pressure self-contained breathing apparatus with full clothing. Remain upwind. Avoid breathing smoke.
- Hazardous combustion products** : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear appropriate protective gear for the solution
- Environmental precautions** : 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.
- Method for containment** : Dike spill using absorbent or impervious materials such as earth sand or clay. Collect and contain contaminated absorbent and dike material for disposal.
- Methods for cleaning up** : 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

- Handling** : 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

- 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

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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

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

Skin corrosion/irritation	: Not classified as irritating to skin, category approach, CESIO
Serious eye damage/ eye irritation	: Irreversible effects on the eye, category approach, CESIO
Respiratory or skin sensitization	: Category approach, the product is not consideration to be sensitizing by skin contact
Carcinogenicity/chronic health	: No information available
Reproductive Toxicity	: No information available
Developmental Toxicity	: No information available
Genotoxicity	: No information available
STOT – single exposure	: 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
STOT – repeated exposure	: 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

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

Reference

• 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