

Revision date: Wednesday 27/03/2024

1 SECTION 1: Identification of the substance/mixture and of the company/undertaking:

1.1 Product identification:

IF Alu Fluo - A00368 - A00369

1.2 Relevant identified uses of the substance or mixture and uses advised against:

/

Use concentrations: /

1.3 Details regarding the provider of the safety data sheet:

Indufarm NV

Leon Bekaertstraat 5

8770 Ingelmunster

Tel: +32-51-624245

Email: contact@indufarm.com — Website: <http://www.indufarm.com>

1.4 Emergency telephone number:

+32 70 245 245

2 SECTION 2: Hazards identification:

2.1 Classification of the substance or mixture:

Classification of the substance or mixture according to CLP, Regulation (EC) 1272/2008:

H301+H331 Acute toxic. 3 H310 Acute toxic. 2 H314 Skin Corr. 1A

2.2 Label elements:

Icons:



Signal word:

Danger

Hazard Statements:

H301+H331 Acute toxic. 3: Toxic by ingestion and inhalation
H310 Acute toxic. 2: Fatal on contact with skin.
H314 Skin Corr. 1A: Causes severe burns and eye damage.

Safety recommendations:

P264: Wash hands thoroughly after working with this product.
P280: Wear protective gloves, protective clothing, face protection. eye protection,
P301+P330+P331: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): remove contaminated clothing immediately. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove the person to fresh air and keep them breathing easily.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for one day amount of minutes; remove contact lenses, if possible; keep rinsing.

Contains:

2-propyl heptanol ethoxylate Water stouoride

2.3 Other hazards:

no

3 SECTION 3: Composition/information on ingredients:

Hydrogen fluoride	γ 9% CAS no.: EINECS: REACH Registration No.: CLP Classification:	7664-39-3 231-634-8 01- 2119458860-33 H300+H330 Acute toxic. 2 H310 Acute toxic. 1 H314 Skin Corr. 1A
2-propylheptanol ethoxylate	γ 5% CAS no.: EINECS: REACH Registration No.: CLP Classification:	160875-66-1 H302 Acute toxic. 4 H318 Eye Dam. 1

For the full text of the H statements mentioned in this section, see section 16.

4 SECTION 4: First aid measures:

4.1 Description of first aid measures:

Always seek medical advice as soon as possible in case of serious or persistent disorders.

Skin contact: Rinse with plenty of water and immediately take to hospital. Treat like burns.
Eye contact: First rinse with water for a long time (remove contact lenses if easy possible), then take it to a doctor.
Ingestion: Rinse mouth, DO NOT induce vomiting and go to hospital immediately transport.

Inhalation: Sit upright, get fresh air, rest and transport to hospital.

4.2 Most important acute and delayed symptoms and effects:

Skin contact: caustic, redness, pain, severe burns

Eye contact: caustic, redness, poor vision, pain

Ingestion: biting, shortness of breath, vomiting, blisters on lips and tongue, burning pain in mouth and throat, esophagus and stomach

Inhalation: headache, dizziness, nausea, drowsiness, unconsciousness

4.3 Indication of any immediate medical attention and special treatment needed:

If possible, treat the burns with a 10% calcium gluconate gel.

5 SECTION 5: Firefighting measures:

5.1 Extinguishing media:

water spray, powder, foam, CO2

5.2 Special hazards arising from the substance or mixture:

no

5.3 Advice for firefighters:

Extinguishing media to avoid: no

6 SECTION 6: Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures:

Do not walk into or touch spilled substances. Avoid exposure to fumes, smoke, dust and vapor breathe by staying upwind. Any soiled garment and protective equipment soiled after use remove it and dispose of it safely.

6.2 Environmental precautions:

Do not allow to enter sewers or public waters.

6.3 Methods and material for containment and cleaning up:

Carefully collect spilled product and store in suitable containers. If necessary, allow it to be absorbed by absorbent material material.

6.4 Reference to other sections:

For further information see sections 8 & 13.

7 SECTION 7: Handling and storage:

7.1 Precautions for safe handling:

Handle with care to avoid leaks.

7.2 Conditions for safe storage, including incompatibilities:

Store in tightly closed packaging in a closed, frost-free, ventilated area.

7.3 Specific end use:

/

8 SECTION 8: Exposure controls/personal protection:

8.1 Control parameters:

Below is a list of hazardous components listed in section 3 for which the TLV values are known

Water dust 1.5 mg/m³

8.2 Exposure controls:

Inhalation protection:	Use with adequate exhaust ventilation. Where breathing risks occur, use an air purifying face mask if necessary. As protection against these stressful levels, use type ABEK.	
Skin protection:	Handle with Viton gloves (EN 374). Minimum breakthrough time of > 480 minutes, thickness 0.70mm. Check gloves carefully before use. Remove gloves neatly without touching the outside with your bare hands. The suitability for a specific workplace must be discussed with the manufacturer of protective gloves. Wash and dry hands.	
Eye protection:	Keep eye washes with clean water within reach. Close fitting safety goggles. Wear a face shield and protective suit for exceptional processing problems.	
Other protection: the concentration	Impermeable clothing, The type of protective equipment depends on and quantity of hazardous substances at the workplace.	

9 SECTION 9: Physical and chemical properties:

9.1 Information on basic physical and chemical properties:

Melting point/melting range:	0°C
Boiling point/boiling range:	100°C — 100°C
pH:	0.1
pH 1% diluted in water:	/
Vapor pressure at 20°C:	2 332 Pa
Vapor density:	Technically impossible
Relative density at 20°C:	1.0280 kg/l
Appearance at 20°C:	liquid
Flash point:	/
Flammability (solid, gas):	Technically impossible
Auto-ignition temperature:	/
Upper flammability or explosion limit (Vol %):	/
Lower flammability or explosive limit (Vol %):	/
Explosion properties:	Technically impossible
Oxidizing properties:	Technically impossible
Decomposition temperature:	/

Water solubility:	Not solvable
Partition coefficient n-octanol/water:	Technically impossible
Odor:	characteristic
Odor threshold:	Technically impossible
Dynamic viscosity at 20°C:	1 mPa.s
Kinematic viscosity at 40°C:	1 mm ² /s
Evaporation rate (n-BuAc = 1):	0.300

9.2 Other information:

Volatile Organic Compound (VOC):	/
Volatile Organic Compound (VOC):	0.000 g/l
Flammability test:	/

10 SECTION 10: Stability and reactivity:

10.1 Reactivity:

Stable under normal conditions.

10.2 Chemical stability:

Avoid extremely high or low temperatures.

10.3 Possibility of hazardous reactions:

no

10.4 Conditions to avoid:

Protect from sunlight. Do not expose to temperatures above 50°C

10.5 Incompatible materials:

acids, bases, oxidizing agents, reducing agents

10.6 Hazardous decomposition products:

Does not decompose under normal use

11 SECTION 11: Toxicological information:

11.1 Information on toxicological effects:

H301+H331 Acute toxic. 3:	Toxic by ingestion and inhalation
H310 Acute toxic. 2:	Fatal on contact with skin.
H314 Skin Corr. 1A:	Causes severe burns and eye damage.
Calculated acute toxicity, ATE oral:	55.515 mg/kg
Calculated acute toxicity, ATE dermal:	55.787 mg/kg

Water stouoride	LD50, Oral, Rat:	5 mg/kg
	LD50, Dermal, Rabbit:	5 mg/kg
	LC50, Inhalation, 4h:	0.5 mg/l
2-propylheptanol ethoxylate	LD50, Oral, Rat:	500 mg/kg
	LD50, Dermal, Rabbit:	ÿ 5,000 mg/kg
	LC50, Inhalation, 4h:	ÿ 50 mg/l

12 SECTION 12: Ecological information:

12.1 Toxicity:

no additional data available

12.2 Persistence and degradability:

The surfactants in this preparation meet the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents.

12.3 Bioaccumulative potential:

no additional data available

12.4 Mobility in the soil:

WGK class (AwSV): 2
Water solubility: Not solvable

12.5 Results of PBT and vPvB assessment:

no additional data available

12.6 Other harmful effects:

no additional data available

13 SECTION 13: Disposal considerations:

13.1 Waste treatment methods:

Discharge via sewerage is not permitted. Removal must be done by authorized services. Any guidelines from the local government must always be observed.

14 SECTION 14: Transport information:

14.1 UN number:

2922

14.2 UN proper shipping name:

UN 2922 Corrosive liquid, toxic, nos (mixture with water stouoride), 8 (6.1), I, (C/D)

14.3 Transport hazard class(es):

Class(es): 8 (6.1)
Identification number of the danger: 886

14.4 Packing group:

I

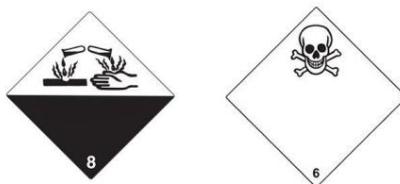
14.5 Environmental hazards:

not environmentally hazardous

14.6 Special precautions for the user:

Hazard properties: Risk of poisoning. Risk of burns. Risk to the aquatic environment and wastewater disposal systems.

Additional instructions: Prevent leakage of substances into the aquatic environment or into the sewage system end up. Use the emergency escape mask.



15 SECTION 15: Regulations:

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

WGK class (AwSV): 2
Volatile Organic Compound (VOC): /
Volatile Organic Compound (VOC): 0.000 g/l
Composition according Regulation (EC) 648/2004: Non-ionic surfactants < 5%

15.2 Chemical Safety Assessment:

No data available

16 SECTION 16: Other information:

Glossary of abbreviations:

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route

ATE: Acute Toxicity Estimate

BCF: Bioconcentration factor

CAS: Chemical Abstracts Service

CLP: Classification, Labeling and Packaging of chemicals

EINECS: European INventory of Existing Commercial chemical Substances

LC50: median Lethal Concentration for 50% of subjects median

LD50: Lethal Dose for 50% of subjects

No.: number

PTB: persistent, toxic, bioaccumulative

TLV:	Threshold Limit Value
WGK:	Water Hazard Class
WGK 1:	little hazardous to water
WGK 2:	dangerous for water
WGK 3:	very dangerous for water
vPvB:	very persistent and highly bioaccumulative substances

Explanatory list of the H-phrases used in this safety data sheet:

H300+H330 Acute toxic. 2: Fatal if swallowed and if inhaled inhalation H301+H331 Acute toxic. 3: Toxic by ingestion and ingestion
H302 Acute toxic. 4: Harmful if swallowed. H310 Acute toxic. 1: Fatal on contact with skin.
H310 Acute toxic. 2: Fatal on contact with skin. H314 Skin Corr. 1A: Causes severe burns and eye damage. H318
Eye Dam. 1: Causes serious eye damage.

CLP Calculation Method:

Based on test data for Corrosivity, based on calculation method for other hazard classes

Reason for revision, changes in the following sections:

Technically impossible

MSDS reference number:

ECM-111164.00

This safety information sheet has been drawn up in accordance with Annex II/A of Regulation (EU) 2015/830. Classification has been calculated in accordance with European Regulation 1272/2008 with their respective amendments. She is with the greatest possible prepared with care. However, we cannot accept liability for damage of any kind caused by the use of this data or the product in question. Before using this preparation for a experiment or a new application, the user must carry out a material suitability and safety study himself.