

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

Flux RF800

Creation date	12th September 2022	Version	15.0
Revision date	17th February 2026		

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

- 1.1. Product identifier**
 Substance / mixture Flux RF800
 UFI mixture DS08-29G8-E005-ADJX
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
 Flux agent.
Mixture uses advised against
 The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
Distributor
 Name or trade name AG TermoPasty Grzegorz Gąsowski
 Address Kolejowa 33 E, Sokoły, 18-218
 Poland
 Identification number (CRN) 200133730
 VAT number PL9661767714
 Phone +48 86 274 13 42
 Email msds@termopasty.pl
 Web address www.termopasty.com
- Competent person responsible for the safety data sheet**
 Name AG TermoPasty Grzegorz Gąsowski
 Email msds@termopasty.pl
- 1.4. Emergency telephone number**
 European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
 The mixture is classified as dangerous.

Flam. Liq. 2, H225
 Asp. Tox. 1, H304
 Skin Sens. 1, H317
 Eye Irrit. 2, H319
 STOT SE 3, H336

Most serious adverse physico-chemical effects

Highly flammable liquid and vapour.

Most serious adverse effects on human health and the environment

Causes serious eye irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. May cause an allergic skin reaction.

2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazardous substances

rosin
 propan-2-ol

[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 oC to 290 oC (302 oF to 554 oF) .]

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

Flux RF800

Creation date	12th September 2022	Version	15.0
Revision date	17th February 2026		

Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P235	Keep cool.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P331	Do NOT induce vomiting.
P501	Dispose of contents/container to according to applicable regulations.

Label elements for packages not exceeding 125 ml

Hazard pictogram



Signal word

Danger

Hazardous substances

rosin

propan-2-ol

[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 oC to 290 oC (302 oF to 554 oF) .]

Hazard statements

H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.

Precautionary statements

P235	Keep cool.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P501	Dispose of contents/container to according to applicable regulations.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

Flux RF800

Creation date	12th September 2022	Version	15.0
Revision date	17th February 2026		

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 110-15-6 EC: 203-740-4 Registration number: 01-2119896114-34	Succinic acid	<3	Eye Dam. 1, H318	
Index: 650-015-00-7 CAS: 8050-09-7 EC: 232-475-7 Registration number: 01-2119480418-32	rosin	≤3	Skin Sens. 1, H317	1
Index: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 Registration number: 01-2119457558-25-XXXX	propan-2-ol		Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	1
CAS: 64742-48-9 EC: 265-149-8 Registration number: 01-2119463258-33	[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 oC to 290 oC (302 oF to 554 oF) .]		Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336	

Notes

1 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water/shower.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

Flux RF800

Creation date	12th September 2022	Version	15.0
Revision date	17th February 2026		

If swallowed

DO NOT INDUCE VOMITING! If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Ensure medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate.

4.2. Most important symptoms and effects, both acute and delayed

If inhaled

Cough, headache. May cause drowsiness or dizziness.

If on skin

May cause an allergic skin reaction.

If in eyes

Causes serious eye irritation.

If swallowed

Irritation, nausea.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Highly flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale aerosols. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

Flux RF800

Creation date	12th September 2022	Version	15.0
Revision date	17th February 2026		

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale aerosols. Prevent contact with skin and eyes. No smoking. Contaminated work clothing should not be allowed out of the workplace. Use only non-sparking tools. Wash hands and exposed parts of the body thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Store locked up. Keep container tightly closed. Keep cool.

The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value
propan-2-ol (CAS: 67-63-0)	WEL 8h	999 mg/m ³
	WEL 8h	400 ppm
	WEL 15min	1250 mg/m ³
	WEL 15min	500 ppm

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value
rosin (CAS: 8050-09-7)	WEL 8h	0,05 mg/m ³
	WEL 15min	0,15 mg/m ³

Notes

Capable of causing occupational asthma.

DNEL

rosin			
Workers / consumers	Route of exposure	Value	Effect
Workers	Dermal	17 mg/kg bw/day	Chronic effects systemic
Workers	Inhalation	117 mg/m ³	Chronic effects systemic
Consumers	Dermal	10 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	35 mg/m ³	Chronic effects systemic

PNEC

rosin	
Route of exposure	Value
Drinking water	2 mg/l
Freshwater sediment	7 mg/kg of dry substance
Sea sediments	1 mg/kg of dry substance

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

Flux RF800

Creation date	12th September 2022	Version	15.0
Revision date	17th February 2026		

rosin	
Route of exposure	Value
Microorganisms in sewage treatment	1000 mg/l

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles.

Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

Respiratory protection

Mask with a filter against organic vapours in a poorly ventilated environment.

Thermal hazard

Data not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	data not available
Odour	containing alcohol
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	82 °C
Flammability	Highly flammable liquid and vapour.
Lower and upper explosion limit	
bottom	2 %
upper	12 %
Flash point	12 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	0.02 mm ² /s at 40 °C
Solubility in water	data not available
Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	data not available
Relative density	0.794
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid

9.2. Other information

Evaporation rate	data not available
Vapour density	>1

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

Flux RF800

Creation date	12th September 2022	Version	15.0
Revision date	17th February 2026		

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological data is available for the mixture.

Acute toxicity

not available

propan-2-ol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	5000 mg/kg		Rat	
Skin	LD ₅₀	12800 mg/kg		Rabbit	

rosin					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	7600 mg/kg		Rat (Rattus norvegicus)	

Succinic acid					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	2260 mg/kg		Rat	

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction. Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

Flux RF800

Creation date	12th September 2022	Version	15.0
Revision date	17th February 2026		

Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways. Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time.

11.2. Information on other hazards

Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

Other information

not available

SECTION 12: Ecological information

12.1. Toxicity

not available

Acute toxicity

propan-2-ol						
Parameter	Method	Value	Exposure time	Species	Environment	Source
LC ₅₀		1400000-1850000 µg/l	48 hours	Crustaceans (Crangon crangon)	Salt water	
LC ₅₀		1400000 µg/l	96 hours	Fish (Gambusia affinis)		

rosin						
Parameter	Method	Value	Exposure time	Species	Environment	Source
LC ₅₀	OECD 203	60.3 mg/l	96 hours	Branchydanio rerio		Scheerbaum D

Succinic acid						
Parameter	Method	Value	Exposure time	Species	Environment	Source
EC ₅₀		374200-400000 µg/l	48 hours	Daphnia (Daphnia magna)	Fresh water	

12.2. Persistence and degradability

Data not available.

Biodegradability

rosin				
Parameter	Value	Exposure time	Environment	Result
	80 %	28 days		Easily biodegradable

12.3. Bioaccumulative potential

Data not available.

SAFETY DATA SHEET

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Flux RF800

Creation date	12th September 2022	Version	15.0
Revision date	17th February 2026		

propan-2-ol	
Parameter	Value
LogPow	0.05

rosin	
Parameter	Value
LogPow	1.9-7.7

Succinic acid	
Parameter	Value
Log Pow	-0.59

12.4. Mobility in soil

Data not available.

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

14 06 03* other solvents and solvent mixtures

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 1993

14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (isopropyl alcohol)

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

II

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SAFETY DATA SHEET

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Flux RF800

Creation date	12th September 2022	Version	15.0
Revision date	17th February 2026		

Additional information

Hazard identification No.

33

UN number

1993

Classification code

F1

Safety signs

3



Road transport - ADR

Special provisions

274, 601, 640D

Limited quantities

1 L

Excepted quantities

E2

Packaging

Packing instructions

P001, IBC02, R001

Mixed packing provisions

MP19

Portable tanks and bulk containers

Guidelines

T7

Special provisions

TP1, TP8, TP28

ADR tank

Tank code

LGBF

Vehicles for tank carriage

FL

Transport category

2

Tunnel restriction code

(D/E)

Special provision for

operation

S2, S20

Railway transport - RID

Special provisions

274, 601, 640D

Excepted quantities

E2

Packaging

Packing instructions

P001, IBC02, R001

Mixed packing provisions

MP19

Portable tanks and bulk containers

Guidelines

T7

Special provisions

TP1, TP8, TP28

RID Tanks

Tank code

LGBF

Transport category

0

Air transport - ICAO/IATA

Packaging instructions for limited amount

Y344

Packaging instructions passenger

355

Cargo packaging instructions

366

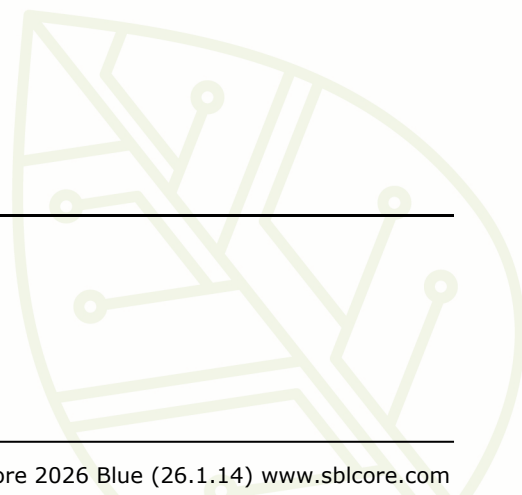
Marine transport - IMDG

EmS (emergency plan)

F-E, S-E

MFAG

310



SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

Flux RF800

Creation date	12th September 2022	Version	15.0
Revision date	17th February 2026		

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out (mixture).

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Guidelines for safe handling used in the safety data sheet

P235	Keep cool.
P280	Wear protective gloves/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P501	Dispose of contents/container to according to applicable regulations.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	Agreement concerning the international carriage of dangerous goods by road
Asp. Tox.	Aspiration hazard
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC ₅₀	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods
EU	European Union
EuPCS	European Product Categorisation System
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

Flux RF800

Creation date	12th September 2022	Version	15.0
Revision date	17th February 2026		

ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log K _{ow}	Octanol-water partition coefficient
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
Skin Sens.	Skin sensitization
STOT SE	Specific target organ toxicity - single exposure
UN number	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 15.0 replaces the SDS version from Friday, 31 January 2025. Changes were made in sections 2, 13 and 16.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.