

SAFETY DATA SHEET



according to Regulation (EC) No. 1907/2006 (REACH) and Regulation

(EU) No 453/2010

Flamil 88

Article No.	0088	Flamil 88	Issue date:	23.11.23
Version	12	(23.11.23)	Page	1 / 9

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

1.1 Product identifier

Trade name Flamil 88

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

General use

Cleaning agent

Uses advised against

UFI

1.3 Details of the supplier of the safety data sheet

Flore-Chemie GmbH
Sauerlandstr.7
D - 560761 Masburg
info@flore.de

1.4 Emergency telephone number

Emergency Information

Phone

FLORE-Chemie GmbH / Tel. +49 (0) 2653 91459 12
Monday to Thursday: 8 a.m. - 5 p.m.
Friday: 8.00 a.m. - 2.30 p.m.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Eye Irrit. 2; H319 Causes serious eye irritation.

2.2 Label elements

Labelling



Signal word

Warning

Hazard components for labelling

Naphtha (petroleum), heavy alkylate; Low boiling point naphtha modified
Alcohols, C12-C14, ethoxylated (>5-<15 EO)

Hazard statements

H319 Causes serious eye irritation.

Safety precautions

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Special provisions concerning the labelling of certain mixtures

Text for labelling (CLP)

2.3 Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB. contains 15-30 % aliphatic hydrocarbons , 5-15% soap , < 5 % aromatic hydrocarbons , non-ionic surfactants

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterisation	
Preparations of hydrocarbons / petroleum products with additives.	
CAS-Number	---
EINECS / ELINCS / NLP	---
EU index number	---
Customs tariff number	---
REACH registration No.	---
RTECS-no.	---
Hazchem-Code	---
CI-Number	---

3.2 Mixtures

Substance 1	Substance 2
Naphtha (Erdöl), schweres Alkylatbenzin; Naphtha, niedrig siedend, modifiziert: 15 % - 20 % CAS-Nummer: 64741-65-7 EINECS / ELINCS / NLP: 265-067-2 Einstufung gemäß EG-Verordnung 1272/2008 (CLP): Aquatic Chronic 4; H413 / Asp. Tox. 1; H304 / Flam. Liq. 3; H226	Alkohole, C12-C14, Ethoxyliert (>5-<15 EO): 1 % - 5 % CAS-Nummer: 68439-50-9 EINECS / ELINCS / NLP: 932-106-6 REACH-Registrierungsnr.: 01-2119487984-16-xxxx Einstufung gemäß EG-Verordnung 1272/2008 (CLP): Acute Tox. 4; H302 / Aquatic Chronic 3; H412 / Eye Dam. 1; H318
Substance 3	
Amoniaklösung <25%: <= 1 % CAS-Nummer: 1336-21-6 EU-Indexnummer: 007-001-01-2 EINECS / ELINCS / NLP: 215-647-6 Einstufung gemäß EG-Verordnung 1272/2008 (CLP): Aquatic Acute 1; H400 / Eye Dam. 1; H318 / STOT SE 3; H335 / Skin Corr. 1B; H314	

Additional information

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
Take off immediately all contaminated clothing.
In case of inhalation
Provide fresh air. Seek medical attention if problems persist.

In case of skin contact

After contact with skin, wash immediately with plenty of water. Seek medical attention if irritation persists.

After eye contact

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Get medical advice/attention.

After swallowing

Do not induce vomiting. Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing material as appropriate for the surrounding area.

Extinguishing media which must not be used for safety reasons

Full water jet

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Gases/vapours, irritant Gases/vapours, harmful

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear self-contained breathing apparatus. full protection suit

Additional information

Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Keep unprotected people away. Wear appropriate protective equipment.

6.2 environmental precautions

Do not allow to enter drains, surface waters, basements or pits. You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Remove mechanically. Take up residuals with binding agents (e.g. saw dust, sand, general purpose binder).

Additional information

6.4 Reference to other sections

SECTION 7: Handling and storage SECTION 8: Exposure controls/personal protection

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Avoid contact with eyes and skin. Provide adequate ventilation.

Precautions against fire and explosion

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Keep only in the original container in a cool, well-ventilated place.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Storage class

12

Further details

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

68439-50-9 Alcohols, C12-C14, ethoxylated (>5-<15 EO)

DEU	DNEL long-term dermal (systemi	2.080,000	mg/kg	worker
DEU	DNEL long-term inhalative (sys	294,000	mg/m³	worker

1336-21-6 ammonia, aqueous solution < 25%

D	AGW (Europa) Langzeitgrenzwert	14,000	mg/m3	2000/39/EWG
D	AGW (Europa) Langzeitgrenzwert	20,000	ml/m³	2000/39/EWG
D	MAK	35,000	mg/m3	TRGS 900, 2(I);DFG,EU,Y
D	MAK	50,000	ml/m³	TRGS 900
D	AGW (Europa) Kurzzeitgrenzwert	36,000	mg/m3	2000/39/EWG
D	AGW (Europa) Kurzzeitgrenzwert	50,000	ml/m³	2000/39/EWG

8.2 Exposure controls

Occupational exposure controls

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

not required

Eye protection

not required

Body protection

not required

General protection and hygiene measures

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs. Avoid contact with skin, eyes, and clothing.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form pasty
Colour white
Odour Ammonia

	min	max		
Initial boiling point and boiling range	110 °C	---		
Melting point/freezing point	-80 °C	---	---	---
Flash point/flash point range	---	---		
Flammability	---	---		
Ignition temperature	---	---		
Auto-ignition temperature	---	---	non-flammable	
Explosion limits	---	---		
Refraction index	---	---	---	

Partition coefficient: n-octanol/water

No indication of bioaccumulation potential.

Danger of explosion

Product is not explosive.

Vapour pressure	2,3 hPa	---	---
Density and/or relative density	---	---	---
PH	9	---	---

Viscosity dynamic of	---	---	---
Viscosity dynamic up to	---	---	---

Viscosity kinematic of	---	---	---
Viscosity kinematic up to	---	---	---

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions with proper and specified storage and handling.

10.2 Chemical stability

No known hazardous reactions.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Protect from frost.

10.5 Incompatible materials

No dangerous reactions with proper and specified storage and handling.

10.6 Hazardous decomposition products

No decomposition when used properly.

Toxicological tests

68439-50-9 Alcohols, C12-C14, ethoxylated (>5-<15 EO)

oral	LD50	Rat	>	300,000	mg/kg	-2000, OECD 401
oral	ATEmix tested	not required		500,000	mg/kg	-
inhalative	LC50	Rat	>	1,600	mg/L	4h, OECD 403
dermal	LD50	Rabbit	>	2000,000	mg/kg	OECD 402

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

After swallowing

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Verursacht schwere Augenreizung.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Practical experience

General remarks

Toxicological data are not available.

Ecotoxicological effects

68439-50-9 Alcohols, C12-C14, ethoxylated (>5-<15 EO)

Bacterial toxicity:	EC50	Pseudomonas putida	>	10,000	g/L	16,9h, DIN 38412/Teil 8
Acute (short-term) algae toxicity	EC50	Pseudokirchneriella subca		0,420	mg/L	72h, OECD 201
Acute (short-term) algae toxicity	NOEC	Pseudokirchneriella subca		0,078	mg/L	72h, OECD 201
Acute (short-term) algae toxicity	LOEC:	Pseudokirchneriella subca		0,160	mg/L	72h, OECD 201

Acute (short-term) daphnia toxicity	EC50	Daphnia magna (Big water		0,830	mg/L	48h
Chronic (long-term) fish toxicity	NOEC	Lepomis macrochirus (Blue	>	0,330	mg/L	30d
Chronic (long-term) daphnia toxicity	NOEC	Daphnia magna (Big water		0,770	mg/L	-1,75, 21d
Biodegradation	CO2 formation (	Degree of elimination:	>	60,000	%	28d

Ecotoxicological effects

1336-21-6 ammonia, aqueous solution < 25%

Aquatic toxicity	LC50	Oncorhynchus mykiss		0,530	mg/l	96h
Aquatic toxicity	EC50	Daphnia magna (Big water		24,000	mg/l	48h

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Water Hazard Class 1

WGK catalog number ---

General information

12.2 Persistence and degradability

Degree of elimination

The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Product does not contain organically bound halogens which could lead to an AOX value.

Further details

Oxygen demand

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)

Partition coefficient: n-octanol/water

1336-21-6 -1,38 Log Pow

No indication of bioaccumulation potential.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Recommendation

Package

Waste key number

Consult the appropriate local waste disposal expert about waste disposal.

Recommendation

Additional information

SECTION 14: Transport information

14.1 UN number

14.2 UN proper shipping name

ADR, ADN ---
IMDG, IATA ---

14.3 Transport hazard class(es)

ADR, ADN ---
IMDG ---
IATA ---

14.4 Packing group

14.5 Environmental hazards

Marine Pollutant - IMDG ---
Marine Pollutant - ADN ---

14.6 Special precautions for user

Land transport (ADR/RID)

Classification code ADR/RID ---
Kemmler-number ---
Hazard label ADR ---
Limited quantities ---
Package: Instructions ---
Package: Special Provisions ---
Special provisions for packing together ---
Portable tanks: Instructions ---
Portable tanks: Special Provisions ---
Tank coding ---
Tunnel restriction ---
Remarks ---
EQ ---
Special Provisions ---
Danger releasing substance ---

Inland waterway craft (ADN)

Hazard label ---
Limited quantities ---
Transport permitted ---
Equipment necessary ---
Ventilation ---
Remarks ---
EQ ---
Special Provisions ---

Sea transport (IMDG)

EmS ---
Special Provisions ---
Limited quantities ---
Package: Instructions ---
Package: Special Provisions ---
IBC: Instructions ---
IBC: Provisions ---
Tank instructions IMO ---
Tank instructions UN ---

Tank instructions Special Provisions	---
Stowage and segregation	---
Properties and observations	---
Remarks	---
EQ	---

Air transport (IATA-DGR)

Hazard	---
Passenger	---
Passenger LQ	---
Cargo	---
ERG	---
Remarks	---
EQ	---
Special Provisioning	---

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information

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

National regulations

<u>Europe</u>	
Contents of VOC [%]	20 %
Contents of VOC	---
[g/L]	
Further regulations, limitations and legal requirements	
According to EC directives or the corresponding national regulations the product does not have to be labelled.	

<u>Germany</u>	
Storage class	---
Water Hazard Class	1
WGK catalog number	---
Incident regulation	---
Information on working limitations	---
Further regulations, limitations and legal requirements	

<u>Denmark</u>	
Further regulations, limitations and legal requirements	

<u>Hungary</u>	
Further regulations, limitations and legal requirements	

<u>Great Britain</u>	
Further regulations, limitations and legal requirements	

<u>Switzerland</u>	
Contents of VOC [%]	
20 %	
Further regulations, limitations and legal requirements	

<u>USA</u>	
Further regulations, limitations and legal requirements	

Federal Regulations	

State Regulations

Japan
Further regulations, limitations and legal requirements

Canada
Further regulations, limitations and legal requirements

15.2 Chemical Safety Assessment
For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Further information

Hazard statements (CLP)

H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

Further information

Literature
The information is based on the current status of our knowledge and experience. The safety data sheet describes products with regard to their safety requirements. These descriptions do not constitute warranted characteristics.

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Reason of change
General revision

Additional information
