

# SAFETY DATA SHEET



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

## Flore Flupp

Article No.	1023	Flore Flupp	Issue date:	08.09.20
Version	5	( 04.09.20 )	Page	1/ 9

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

#### 1.1 Product identifier

Trade name Flore Flupp

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

General use Professional use of dishwash products

Uses advised against

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#### 1.3 Details of the supplier of the safety data sheet

Flore-Chemie GmbH  
Sauerlandstraße 7  
D - 56761 Masburg  
info@flore.de

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#### 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.

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### 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

reactionproduct of 4-C10-13-sec-alkyl-benzolsulfone-acid and sodium hydroxide  
Alcohols, C12-14, ethoxylated, sulfated, sodium salt

##### Hazard statements

H319 Causes serious eye irritation.

##### Safety precautions

P102 Keep out of reach of children.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

### **2.3 Other hazards**

No risks worthy of mention.

## **SECTION 3: Composition / information on ingredients**

### **3.1 Substances**

#### **Chemical characterisation**

Neutral surfactant combination with auxiliary agents

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**

Reaktionsprodukt von 4-C10-13-sec-Alkyl-Benzolsulfonsäure und Natriumhydroxid: 5 % - 10 %  
EINECS / ELINCS / NLP: 932-051-8  
REACH-Registrierungsnr.: 01-2119565112-48

Einstufung gemäß EG-Verordnung 1272/2008 (CLP):  
Eye Dam. 1; H318 / Skin Irrit. 2; H315

#### **Substance 3**

Alkohole, C12-14, ethoxyliert, sulfatiert, Natriumsalz: 1 % - 5 %  
CAS-Nummer: 68891-38-3  
REACH-Registrierungsnr.: 01-2119488639-16  
Einstufung gemäß EG-Verordnung 1272/2008 (CLP):  
Eye Dam. 1; H318 / Skin Irrit. 2; H315

#### **Substance 2**

1-Propanaminium-3-amino-N-(carboxymethylo)-N,N-dimethylo-, derivate N-C8-18-acy: 1 % - 5 %  
CAS-Nummer: 61789-40-0  
EINECS / ELINCS / NLP: 931-296-8  
REACH-Registrierungsnr.: 01-2119490100-53  
Einstufung gemäß EG-Verordnung 1272/2008 (CLP):  
Eye Dam. 1; H318

#### **Additional information**

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## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

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#### **In case of inhalation**

Provide fresh air.

#### **In case of skin contact**

Wash with plenty of water. Wash contaminated clothing prior to re-use.

#### **After eye contact**

Rinse immediately carefully and thoroughly with eye-bath or water.

#### **After swallowing**

Rinse mouth immediately and drink plenty of water.

### **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**

None known.

### **5.2 Special hazards arising from the substance or mixture**

non-flammable

### **5.3 Advice for firefighters**

#### **Special protective equipment for firefighters**

Use appropriate respiratory protection.

#### **Additional information**

You have to dispose of contaminated extinguishing water according to the regulations of the authorities. Do not allow water used to extinguish fire to enter drains, ground or waterways.

## SECTION 6: Accidental release measures

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

### **6.2 environmental precautions**

Do not allow to enter into ground-water, surface water or drains.

### **6.3 Methods and material for containment and cleaning up**

#### **Methods for cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### **Additional information**

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### **6.4 Reference to other sections**

SECTION 7: Handling and storage SECTION 8: Exposure controls/personal protection SECTION 13: Disposal considerations

## SECTION 7: Handling and storage

### **7.1 Precautions for safe handling**

#### **Advices on safe handling**

No special measures are required.

#### **Precautions against fire and explosion**

No special fire protection measures are necessary.

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### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Requirements for storerooms and containers**

Keep container tightly closed.

#### **Hints on joint storage**

No special measures are necessary.

#### **Storage class**

12

#### **Further details**

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### **7.3 Specific end use(s)**

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## SECTION 8: Exposure controls/personal protection

### **8.1 Control parameters**

### **8.2 Exposure controls**

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#### **Occupational exposure controls**

##### **Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Eye protection

Wear eye protection/face protection.

#### Body protection

Wear suitable protective clothing.

#### General protection and hygiene measures

Take off immediately all contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

### 9.1 information on basic physical and chemical properties

Form	liquid			
Colour	light yellow clear			
Odour	odourless			
	min	max		
Initial boiling point and boiling range	100 °C	100 °C		
Melting point/freezing point	0 °C	0 °C		
Flash point/flash point range	0 °C	0 °C		
Flammability	---	---		
Ignition temperature	---	---		
Auto-ignition temperature	---	---	not oxidising	
Explosion limits	---	---		
Refraction index	---	---	---	
Partition coefficient: n-octanol/water	---	---		
Danger of explosion	---	---		
Vapour pressure	0 kPa	---	---	---
Density	1,03 g/ml	---	---	---
PH value	6,6	7,4	---	---
Viscosity dynamic of	200 mPa.s	---	---	---
Viscosity dynamic up to	500 mPa.s	---	---	---
Viscosity kinematic of	0 m <sup>2</sup> /s	---	---	---
Viscosity kinematic up to	0 m <sup>2</sup> /s	---	---	---

### 9.2 Other information

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

none

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

### Toxicological tests

reactionproduct of 4-C10-13-sec-alkyl-benzolsulfone-acid and sodium hydroxide

oral	LD50	Rat		2000,000	mg/kg	OECD 401
dermal	LD50	Rat		2000,000	mg/kg	OECD 402

#### Toxicological tests

61789-40-0 1-Propanaminium-3-amino-N-(carboxymethylo)-N,N-dimethylo-, derivate N-C8-18-acy

oral	LD50	Rat		2335,000	mg/kg	-
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#### Toxicological tests

68891-38-3 Alcohols, C12-14, ethoxylated, sulfated, sodium salt

oral	LD50	Rat		4100,000	mg/kg	OECD 401
dermal	LD50	Rat		2000,000	mg/kg	OECD 402

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

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#### In case of inhalation

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#### After swallowing

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#### In case of skin contact

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#### After eye contact

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### Practical experience

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### General remarks

The statement is derived from the properties of the single components. Mixture not tested. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

### Ecotoxicological effects

reactionproduct of 4-C10-13-sec-alkyl-benzolsulfon

Aquatic toxicity	LC50	Cyprinus carpio (Common C		1,000	mg/L	OECD 203
Aquatic toxicity	EC50	Daphnia magna (Big water		1,000	mg/L	OECD 202
Aquatic toxicity	ErC50:	Desmodesmus subspicatus		10,000	mg/L	OECD 201

### Ecotoxicological effects

61789-40-0 1-Propanaminium-3-amino-N-(carboxymethylo)-N,N-dim

Aquatic toxicity	LC50	Pimephales promelas (fath		1,100	mg/L	96h
Degradation	OECD	not required		76,300	%	28d

### Ecotoxicological effects

68891-38-3 Alcohols, C12-14, ethoxylated, sulfated, sodium sa

Aquatic toxicity	LC50	fish		7,100	mg/L	OECD 203, 96h
Aquatic toxicity	EC50	Daphnia magna (Big water		7,200	mg/L	OECD 202, 48h
Aquatic toxicity	ErC50:	Algae		27,700	mg/L	OECD 201, 72h
Aquatic toxicity	NOEC	fish		1,000	mg/L	OECD 203, 45d
Aquatic toxicity	NOEC	Algae		0,950	mg/L	OECD 202, 3d
Aquatic toxicity	NOEC	Daphnia magna (Big water		1,200	mg/L	21d
Degradation	not required	not required		100,000	%	28d

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

The product is not Ecotoxic

Water Hazard Class 1  
 WGK catalog number ---  
 General information  
 ---

## **12.2 Persistence and degradability**

Degree of elimination  
 The product has not been tested.  
 Further details  
 ---  
 Oxygen demand  
 ---

## **12.3 Bioaccumulative potential**

Bioconcentration factor (BCF)  
 ---  
 Partition coefficient: n-octanol/water  
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## **12.4 Mobility in soil**

No data available

## **12.5 Results of PBT and vPvB assessment**

No data available

## **12.6 Other adverse effects**

General information  
 No information available. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

# **SECTION 13: Disposal considerations**

## **13.1 Waste treatment methods**

### **Product**

Waste key number  
 070699 The allocation of waste identity numbers/waste descriptions must be carried out according to the  
 200130 EEC, specific to the industry and process.  
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Recommendation  
 Do not empty into drains. Dispose of waste according to applicable legislation. Do not allow to enter into  
 soil/subsoil.

### **Contaminated packaging**

Waste key number  
 150102 ---  
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Recommendation  
 Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### **Additional information**

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# **SECTION 14: Transport information**

## **14.1 UN number**

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## **14.2 UN proper shipping name**

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

## **14.3 Transport hazard class(es)**

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

## **14.4 Packing group**

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#### **14.5 Environmental hazards**

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

#### **14.6 Special precautions for user**

##### **Land transport (ADR/RID)**

Code: ADR/RID	---
Kemmler-number	---
Hazard label ADR	---
Limited quantities	---
Contaminated packaging: Instructions	---
Contaminated packaging: 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	---
Contaminated packaging: Instructions	---
Contaminated packaging: 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

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

### **National regulations**

#### **Europe**

Contents of VOC [%] ---  
 Contents of VOC 0 g/L  
 [g/L]  
 Further regulations, limitations and legal requirements  
 Regulation (EC) No. 648/2004 (Detergents regulation)

#### **Germany**

Storage class ---  
 Water Hazard Class 1  
 WGK catalog number ---  
 Incident regulation ---  
 Information on working limitations ---  
 Further regulations, limitations and legal requirements  
 Wasch- und Reinigungsmittelgesetz

#### **Denmark**

Further regulations, limitations and legal requirements  
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#### **Hungary**

Further regulations, limitations and legal requirements  
 ---

#### **Great Britain**

Further regulations, limitations and legal requirements  
 ---

#### **Switzerland**

Contents of VOC [%]  
 0 %  
 Further regulations, limitations and legal requirements  
 ---

#### **USA**

Further regulations, limitations and legal requirements  
 ---  
 Federal Regulations  
 ---  
 State Regulations  
 ---

#### **Japan**

Further regulations, limitations and legal requirements  
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#### **Canada**

Further regulations, limitations and legal requirements  
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## **15.2 Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.

## **SECTION 16: Other information**

### **Further information**

Hazard statements (CLP) H319 Causes serious eye irritation.

Further information  
 for industrial purposes only Do not use for private purposes (household).



**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**

New address and contact details

**Additional information**

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