

SAFETY DATA SHEET



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

Floranin C

Article No.	0158	Floranin C	Issue date:	03.09.20
Version		7 (03.09.20)	Page	1/ 8

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

1.1 Product identifier

Trade name Floranin C

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

General use
lubricants

Uses advised against

1.3 Details of the supplier of the safety data sheet

Flore-Chemie GmbH
Sauerlandstraße 7
D - 56761 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)

no hazard labelling required

2.2 Label elements

Labelling

Signal word not required

Hazard components for labelling

Hazard statements
not required

Safety precautions
P102 Keep out of reach of children.

2.3 Other hazards

According to EC directives or the corresponding national regulations the product does not have to be labelled.

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterisation

lubricants

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

3,3-Methylene-Bis(5-Methyl-Oxazolidine): 1 % - 5 %
CAS-Nummer: 66204-44-2
EINECS / ELINCS / NLP: 266-235-8

Einstufung gemäß EG-Verordnung 1272/2008 (CLP):
Acute Tox. 4; H302 / Acute Tox. 4; H312 / Acute Tox. 4;
H332 / Skin Corr. 1B; H314

Substance 2

freie Borsäure: 0,5 % - 1 %
CAS-Nummer: 10043-35-3
EINECS / ELINCS / NLP: 233-139-2
REACH-Registrierungsnr.: 01-2119486689-25

Einstufung gemäß EG-Verordnung 1272/2008 (CLP):
Repr. 1A; H360FD

Substance 3

3-IOD-2-PROPINYLBUTYLCARBAMAT: <= 0,25 %
CAS-Nummer: 55406-53-6
EINECS / ELINCS / NLP: 259-627-5
Einstufung gemäß EG-Verordnung 1272/2008 (CLP):
Acute Tox. 4; H302 / Acute Tox. 4; H332 / Aquatic Acute
1; H400 / Aquatic Chronic 1; H410 / Eye Dam. 1; H318

Additional information

borates-alkanolamine 10 - 20 %

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest.

In case of skin contact

Change contaminated, saturated clothing. Subsequently wash off with: water and soap

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After swallowing

Do NOT induce vomiting. 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

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing powder carbon dioxide Water spray jet alcohol resistant foam

Extinguishing media which must not be used for safety reasons

Full water jet

5.2 Special hazards arising from the substance or mixture

none

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus. full protection suit

Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear personal protection equipment. See protective measures under point 7 and 8.

6.2 environmental precautions

No special environmental measures are necessary.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Take up mechanically. Wipe up with absorbent material (eg. cloth, fleece). Clean with detergents. Avoid solvent cleaners.

Additional information

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Provide adequate ventilation. Use personal protection equipment. See section 8. See section 7. No additional measures necessary. Vapours/aerosols should be exhausted directly at the point of origin.

Precautions against fire and explosion

No special fire protection measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Hints on joint storage

Storage class

12

Further details

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

10043-35-3 boric acid

D	WEL (= German AGW)	0,500	mg/m ³	AGS,Y,10
D	peak limitation	2,000	not requir	Repr.Cat.2

8.2 Exposure controls

Occupational exposure controls

Respiratory protection

Usually no personal respiratory protection necessary. Filtering device (full mask or mouthpiece) with filter: Use filter apparatus type B.

Hand protection

Gloves with long cuffs Material CR, layer thickness 0,5 mm, penetration time >= 480 min EN ISO 374 Check leak tightness/impermeability prior to use. Do not wear gloves near rotary machines and tools. In the case of wanting to use the gloves again, clean them before taking off and air them well. 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

Eye glasses with side protection

Body protection

lab coat Overall Only wear fitting, comfortable and clean protective clothing. natural fibres (e.g. cotton) heat-resistant synthetic fibres

General protection and hygiene measures

Wash hands before breaks and after work. Apply skin care products after work.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

Form liquid
 Colour yellow
 Odour characteristic

	min	max		
Initial boiling point and boiling range	>	---		
	100 °C			
Melting point/freezing point	---	---		
Flash point/flash point range	---	---		
Flammability	---	---		
Ignition temperature	---	---		
Auto-ignition temperature	---	---	---	
Explosion limits	---	---		
Refraction index	---	---	---	
Partition coefficient: n-octanol/water		---		
	No information available.			
Danger of explosion	---			
Vapour pressure	---	---	---	
Density	1,126		---	---
	g/cm ³			
PH value	9	9,4	---	---
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 information available.

10.2 Chemical stability

With correct and proper storage and handling, no special precautionary measures required.

10.3 Possibility of hazardous reactions

none

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

none

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No information available.

In case of inhalation

After swallowing

In case of skin contact

After eye contact

Practical experience

General remarks

No adverse effects known to this day, when properly handled. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC). Toxicological data are not available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Water Hazard Class 1

WGK catalog number ---

General information

No information available.

12.2 Persistence and degradability

Degree of elimination

No information available.

Further details

Oxygen demand

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)

Partition coefficient: n-octanol/water

No information available.

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.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number
120109 ---

Recommendation
Dispose of waste according to applicable legislation.

Contaminated packaging

Waste key number
--- ---

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)

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

SECTION 15: Regulatory information

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

National regulations

Europe

Contents of VOC [%]	0 %
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.

Germany

Storage class	--
Water Hazard Class	1
WGK catalog number	---
Incident regulation	---
Information on working limitations	---

Further regulations, limitations and legal requirements

Non-combustible liquids

Denmark

Further regulations, limitations and legal requirements

Hungary

Further regulations, limitations and legal requirements

Great Britain

Further regulations, limitations and legal requirements

Switzerland

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

USA

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

SECTION 16: Other information

Further information

Hazard statements (CLP)

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H360FD May damage fertility. May damage the unborn child.

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

New address and contact details

Additional information
