

FINE LINER

Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 10/30/2018 Revision date: 10/30/2018 Version: 1.0

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

1.1. Product identifier

Product form : Mixture

Trade name : FINE LINER

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

1.2.1. Relevant identified uses

Main use category : FINE LINER

1.2.2. Uses advised against

Restrictions on use : No information available

1.3. Details of the supplier of the safety data sheet

Supplier

Address

Phone

Fax

E-mail

1.4. Emergency telephone number

Emergency number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Components Name	CAS No.	Weight Percent (%)							
		Blue Green	Light Green	Grass Green	Dark Green	Fruit Green	Fluorescent Green	Light Dp Green	Yellow Green
Water	7732-18-5	88.7	88.5	87.7	87.5	88.3	88.5	88.0	88.2
Sodium Benzoate	532-32-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Glycerin	56-81-5	10	10	10	10	10	10	10	10
Sunset Yellow FCF	2783-94-0	0.5	0.8	1.2	0.8	0.8	0.75	0.8	0.6
Brilliant blue	3844-45-9	0.7	0.6	1.0	1.4	0.8	0.65	1.1	1.1
Pigment black	29512-49-0				0.2				

Components Name	CAS No.	Weight Percent (%)							
		Orange	Golden	Light	Deep	Yellow	Fluorescent	Cream	Reddish Brown

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			Yellow	Yellow	Green		Yellow		
Water	7732-18-5	88.7	89.0	88.7	87.9	88.3	88.5	89.36	87.2
Sodium Benzoate	532-32-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Glycerin	56-81-5	10	10	10	10	10	10	10	10
Sunset Yellow FCF	2783-94-0	1.0	0.8	1.2	0.8	1.6	1.4	0.5	0.6
Carmine	1390-65-4	0.2	0.1		1.2			0.04	1.8
Pigment black	29512-49-0								0.4

Components Name	CAS No.	Weight Percent (%)							
		Brown	Light Brown	Dark Brown	Grey	Green Grey	Black	Black Grey	Purple
Water	7732-18-5	87.8	88.5	87.1	89.1	87.3	84.7	88.7	86.4
Sodium Benzoate	532-32-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Glycerin	56-81-5	10	10	10	10	10	10	10	10
Sunset Yellow FCF	2783-94-0	0.6	0.5	0.6		1.4	1.8		
Carmine	1390-65-4	1.0	0.6	1.4			1.7		2.5
Pigment black	29512-49-0	0.5	0.3	0.8	0.8			1.2	
Brilliant blue	3844-45-9					1.2	1.7		1.0

Components Name	CAS No.	Weight Percent (%)							
		Deep Blue	Red	Light purple	Light Violet	Violet	Deep purple	Light Sky blue	Sky Blue
Water	7732-18-5	87.9	86.7	87.1	87.5	86.3	85.7	89.5	89.3
Sodium Benzoate	532-32-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Glycerin	56-81-5	10	10	10	10	10	10	10	10
Carmine	1390-65-4	0.4	3.2	2.0	2.0	3.0	2.4		
Brilliant blue	3844-45-9	1.6		0.8	0.4	0.6	1.8	0.4	0.6

Components Name	CAS No.	Weight Percent (%)							
		Deep Sky blue	Light Deep Blue	Black Deep Blue	D.light Blue	Lake Blue	Light Deep Blue	Pink	Rose Red
Water	7732-18-5	88.9	88.3	88.0	88.7	89.25	88.15	88.9	89.1
Sodium Benzoate	532-32-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Glycerin	56-81-5	10	10	10	10	10	10	10	10
Basic rhodamine	81-88-9		0.2				0.35		0.8
Brilliant blue	3844-45-9	1.0	1.4	1.8	1.2	0.6	1.4		
Pigment black	29512-49-0			0.1					
Sunset Yellow FCF	2783-94-0					0.05			
Carmine	1390-65-4							1.0	

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Components Name	CAS No.	Weight Percent (%)							
		Light pink	Skin	Deep rose red	Light Orange	Red orange	Claret red	Light rose red	Deep Pink
Water	7732-18-5	89.2	89.38	88.7	88.3	87.9	87.9	89.4	88.9
Sodium Benzoate	532-32-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Glycerin	56-81-5	10	10	10	10	10	10	10	10
Basic rhodamine	81-88-9			1.2			0.5	0.5	0.8
Sunset Yellow FCF	2783-94-0		0.5		0.8	1.0			
Carmine	1390-65-4	0.7	0.02		0.8	1.0	1.5	1.0	
Acid Red 18	2611-82-7								1.0

According to Classification according to Regulation (EC) No. 1272/2008 [CLP], hazard of components of such mixture is not classified.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If symptoms persist, call a physician.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Take off contaminated clothing. Gently wash with plenty of soap and water. Get medical advice if necessary.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

No additional 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	: Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: No additional information available.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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5.3. Advice for firefighters

Precautionary measures fire	: Keep container closed when not in use. Eliminate all ignition sources if safe to do so. Keep container tightly closed and away from heat, sparks and flame. Ensure adequate ventilation, especially in confined areas.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Eliminate every possible source of ignition. Avoid inhalation of vapours. Ensure adequate ventilation, especially in confined areas. Wear personal protective equipment.
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6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

For containment	: For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal.
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep cool. Store in a well-ventilated place. Keep container tightly closed.
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7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Glycerin (56-81-5)		
Belgium	Limit value (mg/m ³)	10 mg/m ³ (mist)
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	10 mg/m ³
Czech Republic	Expoziční limity (PEL) (mg/m ³)	10 mg/m ³
Estonia	OEL TWA (mg/m ³)	10 mg/m ³
Finland	HIP-arvo (8h) (mg/m ³)	20 mg/m ³
France	VME (mg/m ³)	10 mg/m ³ (aerosol)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	200 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Greece	OEL TWA (mg/m ³)	10 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (mist)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-mist)
Poland	NDS (mg/m ³)	10 mg/m ³ (inhalable fraction)
Portugal	OEL TWA (mg/m ³)	10 mg/m ³ (mist)
Spain	VLA-ED (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (mist)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-mist)
Switzerland	MAK (mg/m ³)	50 mg/m ³ (inhalable dust)
Switzerland	KZGW (mg/m ³)	100 mg/m ³ (inhalable dust)
Australia	TWA (mg/m ³)	10 mg/m ³ (containing no asbestos and <1% crystalline silica-inhalable dust, mist)
Canada (Quebec)	VEMP (mg/m ³)	10 mg/m ³ (mist)
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (mist, total particulate) 5 mg/m ³ (mist, respirable fraction)

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

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Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: 48 colors
Odour	: slightly.
Odour threshold	: No data available
pH	: 6 - 9
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -20 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: 100 °C
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: 0.001
Relative density	: 1.03
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: non explosive.
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Sparks. Open flame.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon dioxide. carbon monoxide. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Sodium benzoate (532-32-1)

LD50 oral rat	4070 mg/kg
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Glycerin (56-81-5)

LD50 oral rat	12600 mg/kg
LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)

Sunset Yellow FCF (2783-94-0)

LD50 oral rat	>10000 mg/kg
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Brilliant blue (3844-45-9)

LD50 oral rat	> 2 g/kg
Skin corrosion/irritation	: Not classified pH: 6 - 9
Serious eye damage/irritation	: Not classified pH: 6 - 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Sunset Yellow FCF (2783-94-0)

IARC group	3 - Not classifiable
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Brilliant blue (3844-45-9)

IARC group	3 - Not classifiable
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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

Sodium benzoate (532-32-1)

LC50 fish 1	420 - 558 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	< 650 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Glycerin (56-81-5)

LC50 fish 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Sodium benzoate (532-32-1)

BCF fish 1	(no bioaccumulation)
Log Pow	-2.13

Glycerin (56-81-5)

BCF fish 1	(no bioaccumulation)
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Log Pow -1.76

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

15.1.2. National regulations

Not listed on the Canadian DSL (Domestic Substances List)

Not listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Not listed on the Korean ECL (Existing Chemicals List)

Not listed on the AICS (Australian Inventory of Chemical Substances)

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Germany

Reference to AwSV : Water hazard class (WGK) 2, significant hazard to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

Data sources : ECHA reference. LOLI.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product