



SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

## **SUGARFLAIR REJUVENATOR SPIRIT**

**Product Code: K101 & K201**

Version 5.4

Print Date: 15/04/2020

Revision Date/Valid from 15/04/2020

---

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

#### **1.1. Product identifier**

Trade name	: Rejuvenator
Substance name	: ethanol
Index-No.	: 603-002-00-5
CAS-No.	: 64-17-5
EC-No.	: 200-578-6
EU REACH-Reg. No.	: 01-2119457610-43-xxxx

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

Use of the Substance/Mixture	: Identified use: See table in front of appendix for a complete overview of identified uses.
Uses advised against	: At this moment we have not identified any uses advised against.

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

Company	: Sugarflair Colours Limited Armstrong Road, Manor Trading Estate Benfleet, Essex SS7 4PW
Telephone	: +44 (0)1268 752891

Fax : +44 (0)1268 759643  
Email : [info@sugarflair.com](mailto:info@sugarflair.com)

---

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

REGULATION (EC) No 1272/2008			
Hazard Class	Hazard Category	Target Organs	Hazard Statements
Flammable liquids	Category 2	---	H225
Eye irritation	Category 2	---	H319

For the full text of the H-Statements mentioned in this section, see Section 16.

## SUGARFLAIR REJUVENATOR SPIRIT

### Most important adverse effects

Human Health : See section 11 for toxicological information  
Physical and chemical hazards : See section 9 for physicochemical information.  
Potential environmental effects : See section 12 for environmental information

## SUGARFLAIR REJUVENATOR SPIRIT

Storage : P403 + P235 Store in a well-ventilated place. Keep cool.  
Disposal : P501 Dispose of contents/container in accordance with the Local/regional/international regulations

### Hazardous components which must be listed on the label:

- Ethanol

### 2.2. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

---

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Classification
----------------

(REGULATION (EC) No 1272/2008)			
Hazardous components	Amount (%)	Hazard class/Hazard category	Hazard statements
Ethanol			
Index-No. : 603-002-00-5	>=90 - <=100	Flam. Liq. 2	H225
CAS-No. : 64-17-5		Eye Irrit. 2	H319
EC-No. : 200-578-6			
EU REACH- : 01-2119457610-43-xxxx			
Reg. No.			

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice	: Take off call contaminated clothing immediately. Remove from exposure, lie down. Person to lie down in the recovery position, cover and keep him warm.
If inhaled	: Remove to fresh air. If symptoms persist, call a physician.
In case of skin contact	: Wash off with soap and water.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Consult an eye specialist immediately.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

## SUGARFLAIR REJUVENATOR SPIRIT

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

Symptoms	: Irritation of mucous membranes.
Effects	: Inhalation of high vapour concentrations can cause CNS-depression and narcosis. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and Vomiting.

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

Treatment	: Treatment according to the doctor's diagnosis of the patient.
-----------	---

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. ABC powder, BC powder
Unsuitable extinguishing	: High volume water jet

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

Specific hazards during firefighting	: The vapour may be invisible, heavier than air and spread along ground. Vapours may form explosive mixtures with air. Flashback possible over Considerable distance.
Hazardous combustion products	: Carbon monoxide, Carbon dioxide (CO <sub>2</sub> )

## 5.3. Advice for firefighters

Special protective Equipment for firefighter's	: In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.
Further advice	Cool closed containers exposed to fire with water spray. Heating will cause a pressure rise- with risk of bursting. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

---

## SECTION 6: Accidental release measures

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

Personal precautions	: Use personal protective equipment. Provide adequate ventilation. Keep away from Heat and sources of ignition. Avoid contact with skin and eyes.
----------------------	---

### 6.2. Environmental precautions

Environmental precautions	: Do not flush into surface water or sanitary sewer system.
---------------------------	---

## SUGARFLAIR REJUVENATOR SPIRIT

### 6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up	: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13).
Further information	: Treat recovered material as described in the section "Disposal considerations".

### 6.4. Reference to other sections

See Section 8 for information on personal protective equipment.  
See Section 13 for waste treatment information.

---

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling	: Keep container tightly closed. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.
-------------------------	---

Hygiene measures : Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.

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

Requirements for storage : Keep in an area equipped with solvent resistant flooring. Store in original container.  
Areas and containers

Advice on protection : Keep away from sources of ignition – No smoking. The vapour may be invisible,  
Against fire and explosion heavier than air and spread along ground. Vapours may form explosive mixtures with air. Take measures to prevent the build-up of electrostatic charge. Use only in an area containing explosion proof equipment.

Further information on : Keep tightly closed in a dry and cool place. Keep away from direct sunlight.  
Keep away from heat. Keep in a well – ventilated place.

Advice on common storage : Incompatible with oxidizing agents. Keep away from food, drink and animal feeding stuffs.

## 7.3. Specific end use(s)

Specific use(s) : Identified use: see table in front of appendix for a complete overview of identified Uses.

# SUGARFLAIR REJUVENATOR SPIRIT

## SECTION 8 Exposure controls/personal protection

### 8.1. Control Parameters

Component:	Ethanol	CAS-No-64-17-5
Derived No Effect Level (DNEL) Derived Minimal Effect Level (DMEL)		
DNEL		
Workers, Long-term – systemic effects, Inhalation	: 950mg/m3	
DNEL		
Workers, Acute – local effects, Inhalation	: 1900 mg/m3	
DNEL		
Workers, Long- term – systemic effects Skin contact	: 343 mg/kg bw/day	
DNEL		
Consumers, Long-term – systemic effects, Inhalation	: 114 mg/m3	
DNEL		
Consumers, Acute – local effects, Inhalation	: 950 mg/m3	

#### DNEL

Consumers, Long-term – systemic effects, Skin contact : 206 mg/kg/ bw/day

#### DNEL

Consumers, Long-term – systemic effects, Ingestion : 87 mg/kg bw/day

---

#### Predicted No Effect concentration (PNEC)

---

Fresh water	: 0.96 mg/l
Marine water	: 0.79mg/l
Intermittent releases	: 2.75 mg/l
Sewage treatment plant (STP)	: 580 mg/l
Fresh water sediment	: 3.6 mg/kg d.w.
Marine sediment	: 2.9 mg/kg d.w.
Soil	: 0.63 mg/kg d.w.
Secondary poisoning	: 0.72 mg/kg food

## SUGARFLAIR REJUVENATOR SPIRIT

---

#### Other Occupational Exposure Limit Values

---

UK, EH40 Workplace Exposure Limits (WELs), Time Weighted Average (TWA):

1,000 ppm, 1,920 mg/m<sup>3</sup>

ELV (IE), Short Term Exposure Limit (STEL):

1,000 ppm

### 8.2. Exposure controls

#### Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8.

## Personal protective equipment

### Respiratory protection

Advice : in case of insufficient ventilation, wear suitable respiratory equipment.  
Self-contained breathing apparatus (EN 133)

Filter Type : Type A

### Hand protection

Advice : Wear suitable gloves.  
The glove material has to be impermeable and resistant to the product/ the substance/the preparation.  
Protective gloves should be replaced at first signs of wear.

Material : Butyl-rubber

Break through time :  $\geq 8$  h

Glove thickness : 0.7mm

Material : Fluorinated rubber

Break through time :  $\geq 8$  h

Glove thickness : 0.4mm

Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

### Eye Protection

Advice : Safety glasses with side-shields conforming to EN166

## SUGARFLAIR REJUVENATOR SPIRIT

### Skin and body protection

Advice : Solvent resistant protective clothing

### Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

---

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Form : liquid

Colour	: colourless
Odour	: alcohol-like
Odour Threshold	: 93 ppm
pH	: 5.3 (100 g/l ; 20°C)
Melting point/range	: -114.5°C
Boiling point/boiling range	: 78.3°C (1013 hPa)
Flash point	: 13°C (Method: closed cup)
Evaporation rate	: 1.4 (Butyl Acetate = 1)
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: 15% (V)
Lower explosion limit	: 3.5% (V)
Vapour pressure	: 59 hPa (20°C) 79 hPa (25°C)
Relative vapour density	: 1.6 (Air = 1.0)
Relative density	: 0.806 (20°C) 0.809 (25° C)
Density	: 0.790 – 0.793 g/cm <sup>3</sup> (20°C)
Water solubility	: completely soluble

## **SUGARFLAIR REJUVENATOR SPIRIT**

Solubility in other solvents	: completely miscible
Partition coefficient: n-octanol/water	: log Kow -0.32
Auto-ignition temperature	: 363°C
Thermal decomposition	: >700°C
Viscosity, dynamic	: 1.2 mPa.s (20°C)
Explosivity	: Product is not explosive. Formation of explosive air/vapour mixtures is possible.
Oxidizing properties	: not oxidizing

## **9.2. Other information**



Molecular weight : 46.07 g/mol

Sublimation point : Not applicable

---

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Advice : Stable under recommended storage conditions.  
No decomposition if stored and applied as directed.

### 10.2. Chemical Stability

Advice : The product is chemically stable.

### 10.3. Possibility of hazardous reactions

Hazardous reactions : Exothermic reaction with: alkalis, Alkaline earth metals, Strong acids and Oxidizing agents

### 10.4. Conditions to avoid

Conditions to avoid : Heat, flames and sparks  
Thermal decomposition : >700°C

## SUGARFLAIR REJUVENATOR SPIRIT

### 10.5. Incompatible materials

Materials to avoid : Alkaline earth metals, alkalis, Strong acids and oxidizing agents

### 10.6. Hazardous decomposition products

Hazardous decomposition : Under fire conditions: Carbon oxides  
Products

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

---

Component:	Ethanol	CAS-No-64-17-5
------------	---------	----------------

---

Acute toxicity

Oral	
LD50	: 10470 mg/kg (Rat, male and female) (OECD Test Guideline 401)
Inhalation	
LC50	: 51 mg/l (Rat, 4 h; vapour) (OECD Test Guideline 403)
Dermal	
LD50	: > 200 mg/kg (Rabbit) (OECD Test Guideline 402)
Irritation	
Skin	
Result	: No skin irritation (Rabbit) (OECD Test Guideline 404)
Eyes	
Result	: Causes serious eye irritation. (Rabbit) (OECD Test Guideline 405)
Sensitisation	
Result	: not sensitizing (Guinea Pig) (Maximisation Test) : not sensitizing (Mouse) (OECD Test Guideline 429) : not sensitizing (Inhalation; Rat)
CMR effects	
CMR Properties	
Carcinogenicity	: Animal testing did not show any carcinogenic effects.
Mutagenicity	: In vitro tests did not show mutagenic effects In vivo tests did not show mutagenic effects
Teratogenicity	: It is not considered teratogenic.
Reproductive toxicity	: It is not considered toxic for reproduction.

## SUGARFLAIR REJUVENATOR SPIRIT

Carcinogenicity	
NOAEL	: >4,000 mg/kg bw/day (Mouse, female) (Target Organs: Liver) (Oral; 105 weeks; Frequency of treatment: 5 days/week)
NOAEL	: >4,250 mg/kg bw/day (Mouse, male) (Target Organs: Liver) (Oral; 105 weeks; Frequency of treatment: 5 days/week) (OPPTS 870.4200)
NOAEL	: >3,000 mg/kg bw/day (Rat) (OECD Test Guideline 451)
Genotoxicity in vitro	
Result	: Negative (Ames test; salmonella typhimurium) (OECD Test Guideline 471)

Negative (Mouse Lymphoma Cells) (OECD Test Guideline 476)

Positive as well as negative results were obtained. (Bacterial Reverse Mutation Test; Escherichia coli) (No guideline followed)

---

#### Genotoxicity in vivo

---

Result : Positive as well as negative results were obtained. (Dominant lethal assay; Mouse, male)  
Oral; 5 days) (OECD Test Guideline 478)

Negative (Chromosome aberration test in vivo; Hamster, male and female)  
(Oral ;) (OECD Test Guideline 475)

Negative (in vivo micronucleus test; Mouse)  
(OECD Test Guideline 475)

---

#### Teratogenicity

---

LOAEL : 8,200 mg/kg bw/day  
Develop.  
(Rat, Sprague-Dawley)  
(6 weeks)  
(No guideline followed)  
Reduced skeletal ossification

NOAEL : 5,200 mg/kg bw/day  
Develop.  
(Rat, Sprague-Dawley)  
(6 weeks)  
(No guideline followed)

NOAEL :  $\geq 20,000$  ppm  
Maternal

### SUGARFLAIR REJUVENATOR SPIRIT

NOAEL : 16,000 ppm  
Teratog.  
(Rat, Sprague-Dawley)  
(Inhalation; 10,000, 16,000, 20,000 ppm; 7 hours/day)  
(OECD Test Guideline 414)  
Reduced maternal food consumption

---

#### Reproductive toxicity

---

NOAEL : 21.5 mg/kg bw/day  
Parent  
(Mouse, male and female)  
(OECD Test Guideline 416)  
No negative effects.

NOAEL : 13.8 mg/kg bw/day  
F1

(Mouse, male and female)  
(OECD Test Guideline 416)  
Reduction in sperm motility.

---

**Specific Target Organ Toxicity**

---

---

**Single exposure**

---

Remark : The substance or mixture is not classified as specific target organ toxicant, single exposure.

---

**Repeated exposure**

---

Remark : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

---

**Other toxic properties**

---

---

**Repeated dose toxicity**

---

NOAEL : 1730 mg/kg bw/day

(Rat, female)  
(Oral; 90-day) (OECD Test Guideline 408)  
Target Organs; Liver

NOAEL : >20 mg/l

(Rat, male)  
(Inhalation; 21 days) (OECD Test Guideline 403)

---

**Aspiration hazard**

---

No aspiration toxicity classification.

---

## SUGARFLAIR REJUVENATOR SPIRIT

---

**Further information**

---

Other relevant Toxicity information : Exposure to ethanol vapours may result in irritation of the eyes and nose, drowsiness and headache. Other symptoms may include stupor, nausea, mental excitement or depression, vomiting, flushing and coma. It can cause irritation of the respiratory tract, intra ocular tension, ataxia, sleepiness, narcosis, impaired perception and incoordination. It can also cause lowered inhibitions, dizziness, shallow respiration, unconsciousness and death.

Chronic symptoms of ingestion and/or vapour exposure may include weight loss, cirrhosis of the liver, gastroenteritis, anorexia, diarrhoea, polyneuritis with pain, motor and sensory loss in the extremities, optic atrophy and loss or impairment of other abilities, excitement, acute and chronic gastritis, malabsorption syndrome, acute and chronic pancreatitis, anaemia, due to acute or chronic blood myopathy, alcoholic cardiomyopathy, lactic acidosis, hypomagnesemia, hyperuricemia, hyperlipidaemia, pulmonary aspiration and respiratory infections. Chronic exposure may also result in serious neurological and mental disorders (e.g. brain damage, memory loss, sleep disturbances, and psychoses). Other

symptoms include mucous membrane irritation, central nervous system depression, giddiness, jaundice, pain in upper abdomen on the right side and staggering gait. It may cause liver, kidney and heart damage. The pupils are sometimes widely dilated and unreactive to light. The liquid can defeat the skin, producing a dermatitis characterised by drying and fissuring. It rarely causes temporary blindness. Ingestion of this compound can enhance the effects of coumarin, anticoagulants, antihistamines, hypnotics, sedatives, tranquilisers, insulin, monoamine oxidase inhibitors and antidepressants. Can cause reproductive and teratogenic effects.

Experience with Human exposure : Repeated and prolonged exposure to solvents may cause brain and nervous system damage.

## SECTION 12: Ecological information

### 12.1. Toxicity

Component:	Ethanol	CAS-No-64-17-5
Acute toxicity		
Fish		
LC50	: 15300 mg/l (Pimephales promelas (fathead minnow); 96 h) (flow-through test; US-EPA)	
LC50	: 11200 mg/l (Salmo gairdneri; 24h) (flow-through test; US-EPA)	
LC50	: 13000 mg/l (Oncorhynchus mykiss; 96 h) (OECD Test Guideline 203)	
Toxicity to daphnia and other aquatic invertebrates		
EC50	: 858 mg/l (Artemia salina; 24h) (OECD Test Guideline 202) Marine water	
EC50	: 12340 mg/l (Daphnia magna (Water flea); 48 h) (ASTM E 729-80) Fresh water	
SUGARFLAIR REJUVENATOR SPIRIT		
LC50	: 5012 mg/l (Ceriodaphnia dubia (water flea); 48 h) (static test; ASTM E 729-80) Fresh water	
Algae		
EC50	: 275 mg/l (Chlorella vulgaris (Fresh water algae); 72 h) (static test; end point: Growth rate; OECD Test Guideline 201) Fresh water	
EC10	:11.5 mg/l (Chlorella vulgaris (Fresh water algae); 72 h) (static test; OECD Test Guideline 201)	
Bacteria		
EC50	: 5800 mg/l (Paramecium caudaturm; 4 h) (static test; No guideline followed)	
Chronic toxicity		

Fish	
NOEC	: 245 mg/l (30 d) (QSAR)
Aquatic invertebrates	
NOEC	: 9.6 mg/l (Ceriodaphnia dubia (water flea); 10d) (semi-static test; end point: Reproduction; No guideline followed)
NOEC	: 79 mg/l (Palaemonids pugio; 12 d) (static test)

## 12.2. Persistence and degradability

Component:	Ethanol	CAS-No-64-17-5
Persistence and degradability		
Persistence		
Result	: (Related to; water) Non-significant hydrolysis	
Biodegradability		
Result	: 97% (aerobic; activated sludge; Related to: CO2 formation (% of the theoretical value); Exposure Time; 28 d) (OECD Test Guideline 301B) Readily biodegradable	

## SUGARFLAIR REJUVENATOR SPIRIT

### 12.3. Bio accumulative potential

Component:	Ethanol	CAS-No-64-17-5
Bioaccumulation		
Result	: log Kow -0.35 (24°C; pH 7.4) (OECD Test Guideline 107)  BCF: 0.66 Does not bioaccumulate.	

### 12.4. Mobility in soil

<b>Component:</b>	<b>Ethanol</b>	<b>CAS-No-64-17-5</b>
<b>Mobility</b>		

Water : The product is water soluble

Air : The product evaporates readily

Soil : Not expected to absorb on soil

## 12.5. Results of PBT and vPvB assessment

<b>Component:</b>	<b>Ethanol</b>	<b>CAS-No-64-17-5</b>
<b>Results of PBT and vPvB assessment</b>		

Result : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This Substance is not considered to be very persistent and very bioaccumulating (vPvB).

## 12.6. Other adverse effects

<b>Component:</b>	<b>Ethanol</b>	<b>CAS-No-64-17-5</b>
<b>Biochemical Oxygen Demand (BOD)</b>		

Result : 100 mg/g

### Chemical Oxygen Demand (COD)

Result : 1900 mg/g

### Additional ecological information

Result : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

## SUGARFLAIR REJUVENATOR SPIRIT

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product : Disposal together with normal waste is not allowed. Special disposal required according to Local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated Packaging : Dispose of contaminated packaging in the same way as the product. In accordance with local and national regulations. Do not burn, or use a cutting torch on, the empty drum. Risk Of explosion.

European Waste Catalogue Number : No waste code according to the European Waste catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in

## SECTION 14: Transport information

### 14.1. UN number

1170

### 14.2 UN proper shipping name

ADR : ETHANOL  
RID : ETHANOL  
IMDG : ETHANOL

### 14.3. Transport hazard class(es)

ADR – Class : 3  
(Labels; Classification Code; Hazard : 3; F1; 33; (D/E)  
Identification No; Tunnel restriction code)  
RID-Class : 3  
(Labels; Classification Code; Hazard : 3; F1; 33  
Identification No)  
IMDG-Class : 3  
(Labels; EmS) : 3; F-E, S-D

### 14.4. Packaging group

ADR : II  
RID : II  
IMDG : II

### 14.5. Environmental hazards

Environmentally hazardous according to ADR : No  
Environmentally hazardous according to RID : No

---

## SUGARFLAIR REJUVENATOR SPIRIT

### 14.6. Special precautions for user

Not applicable

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

IMDG : Not applicable

---

## SECTION 15: Regulatory information

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

---



## Data for the product

Other regulations : Occupational restrictions: Take note of Dir 92/85/EEC on the safety and health of pregnant workers at work and of Dir 94/33/EC on the protection of young people at work.

---

<b>Component:</b>	<b>Ethanol</b>	<b>CAS-No-64-17-5</b>
-------------------	----------------	-----------------------

---

EU. REACH, : Point Nos.: , 40, Listed  
Annex XVII,  
Marketing and Use  
Restrictions (Regulation  
1907/2006/EC)

EU Regulation No : EC Number: , 200-578-6 Listed  
1451/2007 (Biocides),  
Annex I, OJ (L 325)

WGK (DE) : WGK 1: slightly water endangering: 96; Classification source is annex 2.

### Notification status

#### Ethanol:

Regulatory List	Notification	Notification Number
AICS	YES	
DSL	YES	
EINECS	YES	200-578-6
ENCS (JP)	YES	(2)-202
IECSC	YES	
ISHL (JP)	YES	(2)-202
JEX (JP)	YES	(2)-202
KECI (KR)	YES	KE-13217
NZIOC	YES	HSR001144
PICCS (PH)	YES	
TSCA	YES	

## SUGARFLAIR REJUVENATOR SPIRIT

### 15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

---

## SECTION 16: Other information

### Full text of H-Statements referred to under sections 2 and 3

H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation

### Abbreviations and Acronyms

<b>BCF</b>	bioconcentration factor
<b>BOD</b>	biochemical oxygen demand
<b>CAS</b>	Chemical Abstracts Service
<b>CLP</b>	Classification, Labelling and Packaging
<b>CMR</b>	carcinogenic, mutagenic or toxic to reproduction
<b>COD</b>	chemical oxygen demand
<b>DNEL</b>	derived no-effect level
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>ELINCS</b>	European List of Notified Chemical Substances
<b>GHS</b>	Globally Harmonised system of Classification and Labelling of Chemicals
<b>LC50</b>	median lethal concentration
<b>LOAEC</b>	lowest observed adverse effect concentration
<b>LOAEL</b>	lowest observed adverse effect level
<b>LOEL</b>	lowest observed effect level
<b>NLP</b>	no longer polymer
<b>NOAEC</b>	no observed adverse effect concentration
<b>NOAEL</b>	no observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	occupational exposure limit
<b>PBT</b>	persistent, bio accumulative and toxic
<b>PNEC</b>	predicted no-effect concentration
<b>STOT</b>	specific target organ toxicity
<b>SVHC</b>	substance of very high concern
<b>UVCB</b>	substance of unknown or variable composition, complex reaction products or biological materials
<b>vPvB</b>	very persistent and very bio accumulative

#### Further information

Key literature references and Sources for data	: Supplier information and data from the “Database of registered substances” of the European Chemicals Agency (ECHA) were used to create this safety data sheet.
--	--

## SUGARFLAIR REJUVENATOR SPIRIT

Methods used for Product classification	: The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.
Hints for training	: The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.
Other information	: The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality

specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.