

Product Safety Data Sheet

1. Identification of the Substance/Preparation and the Company/Undertaking

Product Name: SubliM Perfect Black
First issued: June 2007 Vers. 1.02
Use: Inkjet printing ink

Company: Sawgrass Europe SA
Gempenstrasse 6
Bau 33D
CH-4133 Pratteln
Switzerland

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2. Composition/Information on Ingredients

General description: Mixture of azo and anthraquinone dyes dispersion in aqueous media

Hazardous Component(s):

Sulfonated lignin	Xi, R-phrases 36	<2%
Disperse blue 360	R53 F,R11 Xn,R48/22 Xi,R36 Xi,R43	1,5-2%

3. Hazards Identification

May cause sensitization by skin contact

4. First Aid Measures

General first Aid

Seek medical advice if any symptoms arise apparently due to contact with this product

Skin contact

Take off all contaminated clothing immediately. Wash off with soap and plenty of water.

Eye contact

Rinse immediately with plenty of water and seek medical

Inhalation

If symptoms due to inhalation are observed, remove person to fresh air. If symptoms persist, seek medical advice

Ingestion

If swallowed, rinse mouth with plenty of water. Seek medical advice Consult a physician.

5. Fire-Fighting Measures

Extinguishing Media:	Water spray, foam, powder, carbon dioxide
Restrictions:	No restrictions
Fire/explosion hazard	Flammable vapor/air mixture on heating
Main combustion gas	Carbon and nitrogen oxides
Personal protection	Self contained breathing apparatus

6. Accidental Release Measures

Personal protection:	Goggles, gloves
Environmental precautions:	Prevent contamination of soil, drains and surface waters.
Measures in Case of Spillage:	Take up mechanically and collect in suitable container for disposal. Prevent product from entering drains. Wear protective clothing and breathing apparatus.

7. Handling and Storage

Handling

Occupational hygiene:	Avoid ingestion, inhalation, skin and eye contact. Handle in accordance with good industrial hygiene practice and any legal requirements
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Storage

Fire precautions	Keep away from sources of ignition
Storage facilities	Store in cool, dry area with adequate ventilation
Segregation	Keep away from oxidizing substances
Storage conditions	Keep containers closed. Sensitive to temperature over 35 °C and below 5 °C
Shelf life	6-12 months at room temperature (preferred between 15 and 24°C)

8. Exposure Controls/Personal Protection

Exposure Limit(s):	None. Ensure adequate ventilation
Workplace Hygiene:	Keep away from food and drink. Follow good industrial hygiene practice.
Protective Measures:	
- Eye Protection:	Wear suitable goggles.
- Skin and Body Protection:	Wear suitable gloves

9. Physical and Chemical Properties

Physical Form:	liquid dispersion
Color:	black
Odour:	Characteristic
Boiling point/range:	ca. 100 °C
Flash point:	> 63 °C
Oxidizing properties:	none
Density:	~ 1.1g/cm ³ 20°C
Water solubility:	disperses
pH-Value:	7.5-9.5 g/l

Viscosity:

2-8

20°C

10. Stability and Reactivity

Stability of substance:	Stable under normal conditions
Conditions to avoid:	Avoid temperatures above 40°C and below 0°C
Materials to avoid:	Strong reducing agents.
	Oxidizing agents such as chlorates, bromates and nitrates
Hazard. Decomp. Products:	The substance arising from thermal decomposition of the product cannot be accurately predicted. Any fumes are potentially irritant/toxic and suitable protection should be worn.

11. Toxicological Information

Acute toxicity	- LD50 oral	> 2000 mg/kg	Rat
Primary irritation (Skin)	Non-irritant	Rabbit	
(Eye)	Non-irritant	Rabbit	
Skin sensitisation	Sensitizing	Guinea Pig	OECD 406
Adverse effects in man	Inhalation of high vapour concentration may irritate eyes, nose and respiratory tract		
Additional information components	The toxicology data is based on the known properties of the		

12. Ecological Information

Ecotoxicity			
Bacterial toxicity	IC50	> 100 mg/l	3 h
Fish toxicity	LC50	> 100 mg/l	48 h Rainbow trout
Summary	No assessment possible		
Persistence and degradability			
Bioelimination	30-40%, DOC Analysis,		OECD 302B
Summary	Partially eliminated by adsorption on effluent treatment sludge		
Behaviour in treatment plants	No data		
Additional Ecology Data			
BOD5	ca.	20 mgO2/g	
COD	ca	600 mgO2/g	
Phosphorus content		0 %	
Metal content	Metal content under the ETAD recommended limits		
Tested material			
Additional information			

13. Disposal Considerations

Product Disposal:	Incineration, landfill. Observe local regulations
Disposal of unclean containers:	Consider local reuse or recycling. If this is not possible, dispose of as for product

14. Transport Information

This product is not classified as dangerous for transport.

Keep separated from foodstuffs.

UN-No.: -
 CDG-CPL classification: -
 IMDG Page: -
 ADR/RID: -
 ICAO/IATA: -

15. Regulatory Information

Symbol and classification	Xi : Irritant
R-Phrases	R43 : May cause sensitisation by skin contact
S-Phrases	S 7: keep container tightly closed
	S 26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S 36/37/39 : Wear suitable protective clothing, gloves and eye/face protection
	S 43: In case of fire, use water spray, foam, powder, carbon dioxide
Contains	C.I. Disperse Blue 360
EU Guideline	99/45

16. Other Information

Do not inhale vapours and aerosols

List of relevant R R-phrases (Section 2)

R11:	Highly flammable
R36:	Irritating to eyes
R43:	may cause sensitization by skin contact
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed
R53:	May cause long-term adverse effects in the aquatic media

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our product from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.