

Product Safety Data Sheet

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

Product Name: SubliM Cyan & Light Cyan
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: Anthraquinone dye
dispersion in aqueous media

Hazardous Component(s): Hazards shown below refer to named substance.
Concentration in preparation is shown on the right

Sulfonated lignin Xi, R-phrases 36 <2%

3. Hazards Identification

Potential Environmental Effects: No significant environmental hazards are expected if material is released to the environment

Caution: Avoid eye 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

This product is not considered a fire hazard

Extinguishing Media:	Water spray, foam, powder, carbon dioxide
Special Exposure Hazards:	Do not release chemically contaminated water into drains, soil or surface water. Sufficient measures must be taken to retain the water used for extinguishing. Dispose of contaminated water and soil according to local regulations. Wear self-contained breathing apparatus.

6. Accidental Release Measures

Personal Precautions:	Do not ingest or breathe in. Avoid contact with skin, eyes and clothing.
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

Spec. Fire and Expl. Precautions:	No special measures required
Storage Conditions:	Store in cool, dry area with adequate ventilation. Avoid temperatures above 40°C and below 0°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:	cyan
Odour:	Characteristic
Boiling point/range:	ca. 100 °C
Flash point:	> 100 °C
Oxidizing properties:	none
Density:	~1.1g/cm ³ 20°C
Water solubility:	disperses
pH-Value:	6-8 20g/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	OECD 404
(Eye)	Non-irritant	Rabbit	OECD 405
Adverse effects in man	Skin and/or eye irritation may occur on direct and prolonged contact		
Additional information			

12. Ecological Information

Ecotoxicity	
Bacterial toxicity	IC50 > 320 mg/l 3 h
Fish toxicity	LC50 > 1000 mg/l 96 h Zebra fish OECD 203
Summary	Not toxic or harmful to aquatic organisms
Persistence and degradability	
Bioelimination	80-90%, DOC Analysis, OECD 302B
Summary	Eliminated by adsorption on effluent treatment sludge
Behaviour in treatment plants	No inhibition. No nitrification inhibition known
Additional Ecology Data	
BOD5	0 mgO2/g
COD	1455 mgO2/g
Phosphorus content	0 %
Organohalogen content	0 %
Metal content	Metal content under the ETAD recommended limits
Tested material	
Additional information	

13. Disposal Considerations

Product Disposal:	Removed material and/or unwanted product should be disposed of in accordance with 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 Not classified as hazardous

R-Phrases

S-Phrases

Contains

EU Guideline 99/45

16. Other Information

Do not inhale vapours and aerosols

List of relevant R R-phrases (Section 2)

R36: Irritating to eyes

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.