

SunChemical Screen

SAFETY DATA SHEET (91/155/EEC - ISO 11014-1)
Version: N°1 (23/07/2004)
Name: STREAMLINE SWF0519 PROCESS INKS - PD12.9.040

Date: 23/07/2004 Page 1/4
Revision: N°1 (23/07/2004)
Company: SUN CHEMICAL SCREEN

SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Preparation:

Name: STREAMLINE SWF0519 PROCESS INKS.
Product code: PD12.9.040.

Company/business:

Registered company name: SUN CHEMICAL SCREEN.
Address: Cow Lane.WD2 6PL.Watford, Hertfordshire.U.K..
Telephone: +44 (0) 1530 275026. Fax:+44 (0) 1530 275011. Telex:.
Emergency telephone No.: +44 (0) 1761 408646.
Association/Organisation: Supplier of Digital ink, equipment and consumables..

Normal use:

Printing ink.

2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous substances present on their own.

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)
INDEX 607-038-00-2 CAS 112-07-2 CE 203-933-3 BUTYLGLYCOL ACETATE | Concentration \geq 50.00% and $<$ 100.00%. Symbol: Xn R: 20/21

Other substances representing a hazard:

INDEX 606-010-00-7 CAS 108-94-1 CE 203-631-1 CYCLOHEXANONE | Concentration \geq 10.00% and $<$ 25.00%. Symbol: Xn R: 10-20

Substances present at a concentration below the minimum danger threshold.

INDEX 607-025-00-1 CAS 123-86-4 CE 204-658-1 N-BUTYL ACETATE | Concentration \geq 0.00% and $<$ 2.50%. Symbol: R: 10-66-67
INDEX 607-195-00-7 CAS 108-65-6 CE 203-603-9 2-METHOXY-1-METHYLETHYL ACETATE | Concentration \geq 2.50% and $<$ 10.00%. Symbol: Xi R: 10-36

Other substances with occupational exposure limits.

No known substance in this category present.

3 - IDENTIFICATION OF HAZARDS

This product is classed: Flammable.

Possibility of noxious effects with symptoms of slight poisoning by inhalation and contact with the skin.

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation.

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.
If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.
Do not give the patient anything orally.

In the event of splashes or contact with eyes.

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.
Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin.

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
DO NOT use solvents or thinners.

In the event of swallowing.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Keep still. DO NOT induce vomiting.

5 - FIRE-FIGHTING MEASURES

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

In the event of fire, the recommended extinguishing agents are:

Special foams for polar liquids (known as alcohol resistant), powders, carbon dioxide.

Extinguishing agents not to be used

Water is not generally recommended since it can be ineffective; however, it can be used successfully to cool containers exposed to the fire and to disperse fumes.

Do not breathe in smoke.

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Special equipment for fire-fighting personnel.

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES

Safety precautions:

Eliminate any possible source of ignition and ventilate the premises.

Avoid inhaling the fumes.

Avoid any contact with the skin and eyes.

Environmental safety precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatom earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Cleaning methods:

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

Handling:

Handle in well-ventilated areas.

The fumes are denser than air. They can spread along the ground and form explosive mixtures with air

Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits.

Fire prevention:

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Recommended equipment and procedures

Observe precautions stated on label and also industrial safety regulations

Packages which have been opened must be reclosed carefully and stored in an upright position

Avoid inhaling fumes.

Avoid contact of product with the skin and eyes

Prohibited equipment and procedures.

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure

Storage.

Keep the container tightly closed in a dry, well-ventilated place

Keep well away from all sources of ignition, heat and direct sunlight

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical measures.

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

If this ventilation is insufficient to maintain the concentration of solvent fumes below the exposure limits, wear breathing apparatus

Exposure limits per INRS ND 2098-174-99 and ND 2114-176-99:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
108-65-6	-	-	-	-	-	-
112-07-2	-	-	-	-	-	-
123-86-4	150	710	200	940	-	84
108-94-1	25	100	-	-	-	84

Exposure limits per 2000/39/EC and 98/24/EC:

EC	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:
108-65-6	50	275	100	550	Peau
112-07-2	20	133	50	333	Peau

108-94-1 10 40.8 20 81.6 Peau

Other values (2003):

UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
108-65-6	50 ppm	100 ppm	-	-	-
112-07-2	20 ppm	50 ppm	-	-	-
123-86-4	150 ppm	200 ppm	-	-	-
108-94-1	10 ppm	20 ppm	-	-	-

Safety breathing apparatus:

With this preparation, avoid in particular any inhalation of fumes.

Hand protection.

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.
Due to the solvents present, it is recommended that butyl rubber or neoprene rubber gloves be worn.

Eye and face protection.

Use eye protectors designed to protect against liquid splashes

Skin protection.

For further information, see § 11 of S.D.S. - Toxicological information.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Density:	= 1
Acid/base character of preparation:	neutral.
Solubility of preparation in water:	Soluble.
Vapour tension at 50°C of volatile constituents:	Below 110 kPa (1.10 bar).
Physical state:	fluid liquid
Flash point interval:	23°C. < Flash point: <= 55°C.
When a pH measure is possible, it has a value of:	not stated.
Self-ignition temperature:	350 °C.
Decomposition temperature:	not relevant.
Melting temperature interval:	not relevant.
Average distillation temperature of solvents contained:	170 °C.
Flash point:	45.00 °C.

10 - STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide

Conditions to avoid:

Heat, sparks, flame.

Materials to avoid:

Oxidising agents, strong acids and bases.

11 - TOXICOLOGICAL INFORMATION

Exposure to fumes from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as:

Irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

Splashes in the eyes may cause irritation and reversible damage

2-butoxyethanol and its acetate are absorbed directly through the skin and have harmful effects on the blood.

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Codes of wastes (Decision 2001/573/EC, Directive 75/442/EEC, Directive 91/689/EEC on hazardous waste) :

08 03 12 * waste ink containing dangerous substances

15 01 10* packaging containing residues of/or contaminated by dangerous substances.

14 - TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport

UN1210=PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.		
	3	F1	III	3	30	LQ7	163-640E		
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.			
	3	-	III	5 L	F-E,S-D	163 223 955			
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	
	3	-	III	309	60 L	310	220 L	A3, A72	
	3	-	III	Y309	10 L	-	-	-	

15 - STATUTORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations
In addition directive 2001/59/EC with the 28° adaptation of directive 67/548/EC (Hazardous substances) have been taken into account.

Preparation classification.

Harmful. Flammable.



Contains:

607-038-00-2 BUTYLGLYCOL ACETATE

Particular hazards associated with the preparation and safety recommendations:

R 20/21 Harmful by inhalation and in contact with skin.
R 10 Flammable.
S 36/37 Wear suitable protective clothing and gloves.

Particular provisions:

. None

16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 2:

R 10 Flammable.
R 20 Harmful by inhalation.
R 20/21 Harmful by inhalation and in contact with skin.
R 36 Irritating to eyes.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.