

# **CARESOL FLEXO GEL**

## **Anilox Roller and Gravure Cylinder Cleaner**

### **General Description**

CARESOL FLEXO GEL is a newly developed product for the quick removal of inks from both anilox rollers and gravure cylinders.

CARESOL FLEXO GEL ensures that:

The volume of ink cells on the anilox roller remains optimal. The ink transfer does not deteriorate which enables you to optimise your printing quality.

The result can be accomplished without any hazardous class limitations concerning transport, storage or use of product.

### **Cleaning Process**

CARESOL FLEXO GEL is a newly developed cleaning product which breaks down the deposits left behind in the cells of the anilox roller. This development has the following advantages:

- . Disassembly of the anilox rollers is unnecessary.
- . Cleaning without any dangerous chemicals.
- . Prevention of premature replacement of the anilox rollers.

CARESOL FLEXO GEL can be used for water based inks, solvent inks and two component inks.

### **Instructions for use**

Apply the gel onto the roller with a cloth or a brush, allow it to work for 15 minutes then rinse with water, repeat if necessary.

## MATERIAL SAFETY DATA SHEET

<b>1.0</b>	<b>Product</b>	CARESOL FLEXO GEL
<b>2.0</b>	<b>General Composition</b>	
2.1	Ingredients	Contains Non-ionic Surfactant, D-Limonene, Formic Acid.
2.2	CAS No.	Non-ionic Surfactant 68439-45-2 Formic Acid 00064-18-16
2.3	Index	Non-ionic Surfactant Xi D-Limonene F, Xi Formic Acid C
2.4	Risk Phrases	Non-ionic Surfactant R36/38 D-Limonene R10, R36/38 Formic Acid R35
2.5	Concentration	Non-ionic Surfactant 1-5% D-Limonene 20-25% Formic Acid 1-5%
<b>3.0</b>	<b>Hazard Identification</b>	
3.1	CHIP Regulations	Classified as Irritant
<b>4.0</b>	<b>First aid Measures</b>	
4.1	Inhalation	Remove to fresh air. If symptoms persist seek medical advice.
4.2	Skin Contact	Wash off with water. The application of skin reconditioning (emollient) cream can be beneficial.
4.3	Eye Contact	Flush with plenty of water for at least 15 minutes. If irritation persists obtain medical attention.
4.4	Ingestion	Water to drink or rinse may be beneficial. Do not induce vomiting without medical advice.
<b>5.0</b>	<b>Fire Fighting</b>	
5.1	Flammability	Not classified as flammable, may evolve noxious fumes in fire.
5.2	Extinguishing Media	Foam, dry powder, CO <sup>2</sup> , Halon, Sand. Fine water spray suitable.
5.3	Protective Equipment	Standard protective equipment, breathing apparatus.
<b>6.0</b>	<b>Accidental Release</b>	
6.1	Protective Clothing	Wear gloves and eye protection.
6.2	Environmental Precautions	Prevent entry to drains, sewers and water courses.
6.3	Clean Up Procedures	Soak liquid in absorbent material and collect solids in container. Wash down floor area as spillages can be slippery.
<b>7.0</b>	<b>Handling and Storage</b>	
7.1	Handling	Avoid contact with skin and eyes. Observe good standards of industrial hygiene.
7.2	Storage	No special requirements. Keep in tightly closed containers. Protect from frost.
7.3	Storage temperature	0-35°C

<b>8.0</b>	<b>Exposure Control and Personal Protection</b>	
8.1	Engineering Measures	Formic Acid – 5ppm
8.2	Respiratory	Unlikely to be necessary where adequate ventilation is required.
8.3	Hands	PVC or rubber gloves recommended.
8.4	Eyes	Safety goggles should be worn.
8.5	Skin	Protective overalls and boots/shoes recommended. Take care to minimise splashing. Remove contaminated clothing and wash the affected area with soap.
<b>9.0</b>	<b>Physical and Chemical Properties</b>	
9.1	Appearance	Viscous green liquid
9.2	Odour	Citrus
9.3	pH	@ 5% in tap water N/D
9.4	pH	N/D
9.5	Freezing Point/Range	<0°C
9.6	Boiling Point/Range	100°C
9.7	Water Soluble	Partly Soluble
9.8	Specific Gravity	@ 20°C 1.04 typical
9.9	Vapour Pressure	As for water = 18mm Hg
<b>10.0</b>	<b>Stability and Reactivity</b>	
10.1	Stability	Stable under normal conditions
10.2	Conditions to Avoid	Naked flames, hot surfaces, other high temperature sources.
10.3	Hazardous Decomposition Products	Oxides of carbon, water vapour and unidentified compounds, some of which could be toxic may be evolved.
<b>11.0</b>	<b>Toxicological Information</b>	
11.1	Ingestion	May irritate mouth, throat and gastro intestinal tract. Swallowing of small amounts is not likely to cause serious discomfort.
11.2	Skin Contact	Classified as a skin irritant. Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact with the undiluted product may lead to de-fatting of the skin or slight irritation.
11.3	Eye Contact	Classified as an eye irritant. Contact with the undiluted product is likely to cause temporary irritation or stinging.
11.4	Inhalation	Unlikely to prevent any significant hazard at ambient temperature. Exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.
<b>12.0</b>	<b>Ecological Information</b>	
		There is no data available on the product itself.
12.1	Biodegradability	The components of the product exhibit good to

		moderate biodegradability and are readily broken down by sewage treatment plants.
12.2	Bioaccumulation	They are not expected to bio-accumulate.
<b>13.0</b>	<b>Disposal</b>	
13.1		Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations.
13.2		Advice can be obtained from the Waste Regulation Authority as to whether special waste regulations apply to this product..
<b>14.0</b>	<b>Transport Information</b>	
		Not classified
<b>15.0</b>	<b>Regulatory Information</b>	
15.1	Label for Supply	Xi Irritant.
15.2	Risk Phrases	R36/R38 Irritating to eyes and skin.
15.3	Safety Phrases	S2 - Keep out of reach of children
		S24/25 – Avoid contact with skin and eyes.
		S26 – In case of contact with eyes, rinse immediately with water and seek medical attention.
		S37 – Wear suitable gloves.
<b>16.0</b>	<b>Other Information</b>	
		The information provided in this data sheet has been compiled in accordance with the requirements of the chemicals (Hazard Information and Packaging) Regulations. Directive 93/112/EC
		This data sheet does not constitute as an assessment of the workplace risks as required under the provisions of the Health and Safety at Work Act and the Control of Substances Hazardous to Health (COSHH).

### **LEGAL DISCLAIMER**

The information contained in this data sheet does not constitute an assessment of workplace risks. The information is based on the present knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect of quality or the specification of the product. The user must satisfy himself that the product is entirely suitable for this purpose.