



Edition: R 09.1 IFU  
Date: 31-12-2011  
Revision of:

## INK FRESH-UP

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

**Product name:** Ink Fresh-Up  
**Quality:** V5530

**Application of the Substance/Preparation:**  
*Offset Aid for Start-Up on Offset Press. Aerosol  
Professionally used on Offset Printing Machines*

**Manufacturer:** Trade Secret  
**Dealer:** Kon. Drukinktfabr. Van Son B.V.  
Kleine Drift 41,  
1221JX Hilversum, Holland

**Information:**  
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### 2. Hazards Identification

**Classification:** *This product as aerosol is classified as dangerous according to Directive 67/548/EEC and 1999/45/EC and their amendments as: S (2-) 9-16*

*The product, an aerosol, is classified according to the aerosol directive 75/324/EEC and tge directive 2008/47/EC as:  
R12, S(2-) 16*

*R12 Extremely flammable.*

#### Hazards to Human Health:

**Primary root of entry:** inhalation of product mist. Contact with skin.  
**Inhalation:** Provide adequate general and local exhaust ventilation when used  
**Contact with Skin:** Prolonged contact may cause defatting of skin.  
**Contact with Eyes:** Irritating. Avoid any contact and use safety goggles.  
**Swallowing:** Not likely when used professionally.

**Hazards to the Environment:** Not likely when professionally used. Do not allow material to enter drains or water courses.

### 3. Composition/Information on Ingredients

**Chemical Description:** Mixture of Hydrocarbons under pressure.  
**The aerosol does not contain any halocarbon compounds (CFK)**

#### Dangerous Components:

Name	EC number	CAS number	Perc. (%)	Classification	Labelling
Petroleum Gas- Mixture of Propane/ Butane/Pentane	270-990-9	68512-91-4	50 - 65	Note H,K	S (2-)9-16

**Additional Information:**  
1. The full Text for R(isk)-Phrases: see Chapter 15 and 16.  
2. HMIS-rating (if mentioned on label) : some countries ask for it. See chapter 16  
**3. Under high pressure ( p.e. heating) the cannister can burst or explode.**

### 4. First-Aid Measures

**General Directions:** Remove all contaminated clothing.  
**In case of Inhalation:** Avoid inhalation of oil mist. When inhaled, move the exposed person to fresh air at once.  
When necessary, seek medical attention.  
**In case of contact with Skin:** Wash with water and soap.  
**In case of contact with Eyes:** Make sure to directly remove any contact lenses from the eyes before rinsing. Flush eye(s) with plenty of water for at least 15 minutes. If irritation persist, seek medical attention.  
**In case of Swallowing:** Wash out mouth. Drink plent of water. Do not stimulate vomiting. Seek medical attention.

### 5. Fire-Fighting Measures

**Suitable Extinguishing Media:** Dry and foam agents, Carbon dioxide (CO<sub>2</sub>), water mist.  
**Non-Suitable Extinguishing Media:** Water Jet.

**Special exposure hazards:**  
1. Cannister can explode in fire  
2. May form an explosive mixture with air.  
3. Exposure to decomposition products can damage health.  
4. Special breathing equipment is preferable.  
5. May form heavy smoke when heated.



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**Additional Information:** Keep run-off water out of sewers and water sources.

### 6. Accidental Release Measures

**Personal precautions:** Ventilate well when using the product. Wear adequate handgloves and safety goggles when handling the product.

**Environmental precautions:** Run off or release to sewer, waterway or ground is forbidden.

**Methods for cleaning up:**

1. Scrape up oil after absorption with vermiculite, dry sand or earth and collect the material into appropriate containers.
2. Do not use solvents to clean up.
3. Always use biodegradable cleaning agents, if necessary.

### 7. Handling and storage

**Handling:**

1. Wear protective clothing and handgloves and safety goggles when handling this product.
2. Avoid possible inhalation of vapours.
3. Be sure of an adequate (natural) ventilation or extract vapours from working place.
4. Do not smoke or eat, when using the product
5. Keep away from heat, sparks and open flame.

**Storage:** Store fire safe the product in a cool, dry place. Keep the product in it's original packaging and tightly closed.

**Packaging materials recommendation:** Use original container.

### 8. Exposure controls/personal protection

**Exposure limit values:** DNEL: ND  
PNEC: ND

Exposure Limits

Name	TLV ( 8 Hours)	STEL (15 minutes)	Standard
oil mist	5 mg/m3	10 mg/m3	Industry

**Measurements to control exposure**

**Additional Information:**

1. Maintain general body hygiene.
2. Take care of the right protection when using the product.



**Occupational exposure controls**

**Respiratory protection:** No special attention, when adequate (natural) ventilation, else:



**Hand protection:**

1. Synthetic Handgloves.
2. Do not use non-fitting handgloves or latex handgloves.

**3. Nitrilite® 93-401** made by **Ansell Occupational Healthcare** is tested acc. method EN374:3-2003 on use with Kerosene and Diesel fuel. These products can act as guidance.

Kerosene: Protection Index: 3  
Diesel fuel: Protection Index: 6  
Zie table in chapter 16.

**Eyes Protection:** Use of splash proof goggles is preferable.

**Body Protection:** Wear protective clothing

**Environment exposure controls:** See data provided in chapter 2, 3, 5, 7

### 9. Physical and chemical properties

				Method
<b>Appearance:</b>	Aerosol	pH-Value	(20 °C)	ND
<b>Colour:</b>	-	Viscosity	(20 °C)	ND DPa.s
		Boiling Point/Range	( °C)	ND
		Melting Point/Range	( °C)	-10



# SAFETY DATA SHEET

acc. to Regulation (EC) 1907/2006, Article 31

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Odour:	Oily	Flash Point	( °C)	ND	Closed Cup
		Autoignition Temperature	( °C)	>300	
		Explosion Limits in Air	Lower	1,5	Vol.%
			Upper	10,9	Vol%
		Vapour Pressure	(20 °C)	<4800	mbar
		Density	(20 °C)	500 - 580	kg/m <sup>3</sup>
		Solubility in Water	(20 °C)	0.1	g/l

### 10. Stability and Reactivity

<b>Circumstances to avoid:</b>	Do not smoke or eat, when using the product. Separate from possible sources of ignition.
<b>Materials to avoid:</b>	None known.
<b>Dangerous Reactions:</b>	None known.
<b>Hazardous Decomposition Products:</b>	Metal components may be released on thermal decomposition.

### 11. Toxicological Information

#### Acute Toxicity

Oral LD <sub>50</sub> -Value	ND	mg/kg <sub>(rat)</sub>
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#### Other Directions:

<b>Carcinogenicity</b>	-	67/548/EEG and 1999/45/EC:	No
<b>Mutagenicity</b>	-	67/548/EEG and 1999/45/EC:	No
<b>Teratogenicity</b>	-	67/548/EEG and 1999/45/EC:	No
<b>Reproductive Toxicity</b>	-	67/548/EEG and 1999/45/EC:	No

<b>General information:</b>	1.Can cause skin and eye irritation 2. Prolonged contact may cause eczema.
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### 12. Ecological Information

#### Ecotoxicity

Fish Toxicity (LC <sub>50</sub> ):	> 100	mg/l
Bacteria Toxicity (EC <sub>50</sub> ):	ND	mg/l

#### Additional Ecological Directions:

Mobility:	BCF:	ND
	Log P <sub>ow</sub> :	>3 ( bioaccumulating)

<b>General information:</b>	See Chapter 9 for other properties.
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### 13. Disposal Considerations

Material Disposal	Only if necessary. Disposal of material to be carried out in accordance with local laws and regulations.
EURAL: Content:	16 05 04* gases in pressure containers (including halons) containing dangerous substances (see remark chapter3)
Empty cannister:	15 01 10* packaging containing residues of or contaminated by dangerous substances
Threat to Surface Water:	Germany (WGK): 1 ( self rating)

### 14. Transport Information

	Road Transport ADR / RID	Sea Transport IMO / IMDG	Air Transport ICAO / IATA
UN-Number:	1950	1950	1950
Class:	2	2.1	2.1
Classification Code:	5G		
Packing Group:	-		
Label	2.1		
Marine Pollutant:	No	No	No
Proper Shipping Name:	AEROSOLS, FLAMMABLE	AEROSOLS, FLAMMABLE	AEROSOLS, FLAMMABLE

Remark EmS-number:F-D / S-U

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### 15. Regulatory Information

Classification according to Directive 67/548/EEC and 1999/45/EC and 75/324/EEC and 2008/47/EC:

**R-Phrase(s):** R12 Extremely flammable.

**S-Phrase(s):** S9 Keep container in a well-ventilated place.  
S16 Keep away from sources of ignition - No smoking.

**General (Aerosol-Directive)** Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50° C.  
Do not pierce or burn, even after use.  
Do not spray on a naked flame or any incandescent material

**Labelling:** 2.1



Extremely flammable.

### 16. Other Information

**Article/Series/Numbers:**

(non) relevant R- and S-Phrase(s): S2 Keep out of the reach of children.

**Explanation:**

Note H: The classification and label shown for this substance applies to the dangerous property(ies) indicated by the risk phrase(s) in combination with the category(ies) of danger shown.  
This note applies to certain coal- and oil-derived substances and to certain entries for groups of substances

Note K: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3-butadiene (Einacs No 203-450-8). If the substance is not classified as a carcinogen or mutagen, at least the the S-phrases (2-)9-16 (Table 3.2) should apply.  
This note applies only to certain complex oil-derived substances in Part 3.

**Abbreviations:**

DNEL:	<b>Derived No-Effect Level</b>
PNEC:	<b>Predicted No-Effect Concentration</b>
HMIS-rating: (USA)	<b>Hazardous Materials Identification System</b>
EURAL	<b>European Waste List</b>
ND:	<b>Not Determined</b>
NA:	<b>Not Applicable</b>
NC	<b>Not Classified</b>
BCF:	<b>BioConcentrationFactor</b>
Log P <sub>ow</sub> :	<b>Ten base LOGarithm of Octanol-Water Partition coefficient (Log P<sub>ow</sub> &gt; 3: Bioaccumulating)</b>
WGK (Duitsland):	<b>Wasser GefährdungsKlasse</b> nwg= nichtwassergefährdend = Not Surface Water threat 1= Slightly hazardous to surface water 2= Hazardous to surface water 3= Extremely hazardous to surface water
R-phrase:	Risk warnings
S-phrase:	Safety warnings

Handgloves quality:

Permeation breakthrough times according to EN374-3:2003 (minutes)						
0	1	2	3	4	5	6
< 10	10-30	30-60	60-120	120-240	240-480	> 480
Not recommended	Splash protection	Medium protection	High protection			

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