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Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name Solpipe Red
Product Category Ink Product

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended uses Printing operations

1.3 Details of the supplier of the safety data sheet

#16-20 Wertheim Crt. Richmond Hill,
ON L4B 3A8

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Section 2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

According to Regulation (CE) No 1272/2008

Acute Toxicity	Category 4 – (H332)
Flammable Liquid	Category 3 – (H226)
Aquatic Chronic	Category 2 – (H411)

2.2 Classic according to 1999/45/EC

Flammable
Harmful by Inhalation
Xn: R20 - R10
Symbols:
Xn: Harmful

2.5 Label Elements



Signal Word

Danger

Hazard Statements

H226 – Flammable liquid and vapor

H318 – Causes serious eye damage

H332 – Harmful if inhaled (Acute toxicity)

H411 – Toxic to aquatic life with long lasting effects (Aquatic Chronic)

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Mixtures****67/548/EEC/ 1999/45/EC**

Component/Chemical Name	Index No.	CAS No	EC No	REACH Reg. No.	Conc. (%w/w)	Classification	M-factor
Cyclohexanone	606-010-00-7	108-94-1	203-631-1		70% - 80%	R10 Xn; R20	
C.I.Solvent Red 218		82347-07-7			1 – 10%	R53	

EC1272/2008

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Cyclohexanone	606-010-00-7	108-94-1	203-631-1		70 - 80%	Flam. Liq. 3: H226; Acute Tox. 4: H332;	
C.I.Solvent Red 218		82347-07-7			1 - 10%	Eye Dam. 1: H318; Aquatic Acute1: H400; Aquatic Chronic 1: H410;	

Section 4. FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation	Move the exposed person to fresh air. Seek medical attention.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Treat as for inhalation if any signs of poisoning are present.
Ingestion	DO NOT INDUCE VOMITING. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Inhalation of vapour may cause shortness of breath.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin. Repeated exposure may cause skin dryness or cracking.

Ingestion

Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. Ingestion may cause nausea and vomiting.

4.3 Indication of any immediate symptoms and effects, both acute and delayed

Inhalation	Seek medical attention
Eye contact	Seek medical attention
Skin contact	Seek medical attention
Ingestion	Seek medical attention

Section 5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing media. Alcohol resistant foam. Carbon dioxide (CO₂). Dry powder or water fog. Water spray, fog or mist. Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Flammable liquid and vapour. Vapours are heavier than air. Burning produces irritating, toxic and obnoxious fumes.

5.3 Advice for Firefighters

In case of fire and/or explosion do not breathe fumes. Wear Self-contained breathing apparatus. Protective equipment.

5.4 Further Information

No date available

Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

Avoid contact with skin and eyes.

6.2 Environmental precautions

Advise local authorities if large spills cannot be contained. Do not allow product to enter drains. Prevent further spillage if safe.

6.3 Methods and material for containment and cleaning up

Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4 Reference to other sections

See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

Section 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Ensure adequate ventilation of the working area.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store incorrectly labelled containers. Keep away from sources of ignition- No smoking.

7.3 Specific end use(s)

Used in Industrial applications.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Chemical Name

Cyclohexanone	WEL 8-hr limit ppm: 10 WEL 15 min limit ppm: 20 WEL 8-hr limit mg/m ³ total inhalable dust: WEL 8-hr limit mg/m ³ total respirable dust:	WEL 8-hr limit mg/m ³ : 10 WEL 15 min limit mg/m ³ : 82 WEL 15 min limit mg/m ³ total – inhalable dust: WEL 15 min limit mg/m ³ total – respirable dust:
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8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation of the working area.

Individual protection measures

Wear chemical protective clothing. Suitable foot protection e.g. boots. Wear suitable protective clothing. Wear suitable gloves and eye/face protection.

Eye/Face Protection

Approved safety goggles.

Hand Protection

Chemical resistant gloves (PVC).

Skin and body Protection

Wear suitable protective clothing and gloves.

Respiratory Protection

Self-contained breathing apparatus.

Thermal hazards

No data available.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information

Physical State	Liquid	Appearance	Liquid
Odor	Characteristic	Color	Red
		Odor Threshold	No data available

Important health, safety, and environmental information

Flash Point	43
Initial Boiling Point (°C)	153
Auto-ignition Temperature	No data available
VOC Content	No information available
Solubility	Slightly soluble in water
Evaporation Rate	No data available
Conductivity	No data available
pH	No data available
Vapor Pressure	No data available
Viscosity	No data available
Surface Tension	No data available
Vapor Density	No data available
Relative Density	1.1 (H ₂ O = 1 @ 20 °C)
Flammability (solid, gas)	No data available
Partition Coefficient	No data available
Melting point	No data available

Explosive properties No data available
Oxidising properties No data available

9.2 Other Information

Gas group No data available
Benzene Content No data available
Lead content No data available
VOC (Volatile organic compounds) 767 g/L

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of Hazardous Reaction

No data available

10.4 Conditions to avoid

Heat, sparks and open flames.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

No data available

Section 11. TOXICOLOGY INFORMATION

11.1 Information on toxicological effects

C.I.Solvent Red 136	Dermal Rat LD50: > 2000 mg/kg	Oral Rat LD50: > 2000 mg/kg
Cyclohexanone	InhalationRatLC50/4h: 8000ppm	OralRatLD50: 1540mg/kg
	DermalRabbitLD50: 948mg/kg	

Section 12. ECOLOGICAL INFORMATION

12.1 Toxicity

C.I.Solvent Red 136	DaphniaEC50/48h:0.97mg/l	FishLC50/96h: 0.2 mg/l
	AlgaeEC50/72h: 0.087mg/l	

12.2 Persistence and degradability

No data available

12.3 Bio accumulative potential

No data available

Partition coefficient ADII HA Red Ink No data available

12.4 Mobility in Soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

Section 13. DISPOSAL CONSIDERATIONS

13.1 Water treatment methods

Disposal Methods

This product and its container must be disposed of in accordance with all local and national regulations.

Section 14. TRANSPORT CONSIDERATIONS

Hazard Pictogram



14.1 UN-No	UN1210
14.2 Proper shipping name	Printing Ink
14.3 Transport Hazard Class	
ADR/RID	3
Subsidiary risk	
IMDG	3
Subsidiary risk	
IATA	3
Subsidiary risk	
14.4 Packing group	III
14.5 Environmental Hazards	
Marine Pollutant	No
ADR/RID	
Hazard ID	30
Tunnel Category	(D/E)
IMDG	
EmS Code	F-E-S-D
IATA	
Packing instruction (cargo)	366
Maximum quantity	220 L
Packing instruction (passengers)	355
Maximum quantity	60L

Section 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Commission Regulation 2015/830/EU: Amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessment are still required.

Section 16. OTHER INFORMATION

Other information

Revision This document differs from the previous version in the following areas:
 9- 9.1. Information on basic physical and chemical properties (Initial boiling point).
 9- 9.1. Information on basic physical and chemical properties (Flash point).
 9- 9.1. Information on basic physical and chemical properties (Relative density).
 9- 9.1. Information on basic physical and chemical properties (Colour).
 9- 9.1. Information on basic physical and chemical properties (Solubility).
 9- 9.2. Other information VOC (Volatile Organic Compounds).

Text of risk phrases in Section 3 R10 - Flammable
 R20- Harmful by inhalation.
 R53- May cause long-term adverse effects in the aquatic environment.

Test of Hazard Statement in Section 3 Eye Dam.1:H318- Causes serious eye damage.
 Aquatic Acute1: H400- Very toxic to aquatic life.
 Aquatic Chronic 1:H410- Very toxic to aquatic life with long lasting effects.

Maximum content of VOC 767 g/L

Issuing Date 12-December-2018

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Date Sheet
