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

1.1 Product Identifier

Product Name Rapid White
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,
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Section 2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

According to Regulation (CE) No 1272/2008

Acute Toxicity
Flammable Liquid

Category 4 – (H332)
Category 3 – (H226)

2.2 Classic according to Directive 67/548/EEC or 1999/45/EC

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

2.5 Label Elements



Signal Word

Warning

Hazard Statements

H226 – Flammable liquid and vapor
H332 – Harmful if inhaled

Precautionary Statements: Prevention

P210 - Keep away from heat/sparks/open flames/hot surfaces open flames and other ignition sources. - No smoking
P233 – Keep container tightly closed
P240 – Ground/bond container and receiving equipment
P241 – Use explosion-proof electrical/ventilating/lighting/equipment

Precautionary Statements: Response

P242 – Use only non-sparking tools
P243 – Take precautionary measures against static discharge
P261 – Avoid breathing dust/fume/gas/mist/vapours/spray
P271 – Use only outdoors or in a well-ventilated area
P280 – Wear protective gloves/protective clothing/eye protection/face protection
P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a POISON CENTER/doctor/ /if you feel unwell.
P370+P378 - In case of fire: Use to extinguish.

Precautionary Statements: Storage

P403+P235 - Store in a well-ventilated place. Keep cool.

Precautionary Statements: Disposal

P501 - Dispose of contents/container to

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	60 - 85	60 - 70%	R10 Xn; R20	
Titanium dioxide		13463-67-7	236-675-5		10 - 20%		
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	60 - 85	60 - 70%	Flam. Liq. 3: H226; Acute Tox. 4: H332;	
Titanium dioxide		13463-67-7	236-675-5		10 - 20%		

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 data available

Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

No data available

6.2 Environmental precautions

No data available

6.3 Methods and material for containment and cleaning up

No data available

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

Handling

No data available

7.2 Conditions for safe storage, including any incompatibilities

Storage

No data available

7.3 Specific end use(s)

No 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/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust:	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: 82 WEL 15 min limit mg/m3 total – inhalable dust: WEL 15 min limit mg/m3 total – respirable dust:
Titanium dioxide	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total 10 inhalable dust: WEL 8-hr limit mg/m3 total 4 respirable dust:	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total – inhalable dust: WEL 15 min limit mg/m3 total – respirable dust:

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	White
		Odor Threshold	No available data

Important health, safety, and environmental information

Flash Point	43
Boiling Point/Boiling Range (°C)	153
Auto-ignition Temperature	No data available
VOC Content	No information available
Solubility	No data available
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
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

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity

No information 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. Strong oxidizing agents.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Carbon oxides

Section 11. TOXICOLOGY INFORMATION

11.1 Information on toxicological effects

No data available

Section 12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bio accumulative potential

No data available

Partition coefficient 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.

Disposal Packaging

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	Not regulated
ADR/RID	3
Subsidiary risk	
IMDG	3
Subsidiary risk	
IATA	
Subsidiary risk	
14.4 Packing group	III
14.5 Environmental Hazards	
Marine Pollutant	No
<u>ADR/RID</u>	Not regulated

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

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

Section 16. OTHER INFORMATION

Other information

Text of risk phrases in Section 3	R10 - Flammable R20 - Harmful by inhalation.
Maximum content of VOC	767

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Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

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
