



In accordance with Regulation (EC) No. 1272/2008

Classification

Issuing date 27-Mar-2013

1. PRODUCT AND COMPANY IDENTIFICATION
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Identification of the substance/preparation

Product Code	003334
Product name	003334
Recommended use	Printing ink

Company/Undertaking Identification**Company**

Markem-Imaje S.A.S.
 9, rue Gaspard Monge - BP 110
 26501 Bourg-lès-Valence cedex
 France

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Emergency Telephone Numbers:
 Markem-Imaje S.A.S.: (33) 4 75 75 55 00
 INRS* (Orfila): (33) 1 45 42 59 59

Emergency telephone number

Markem-Imaje S.A.S.: (33) 4 75 75 55 00
 INRS (Orfila): (33) 1 45 42 59 59

Supplier Address

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 Schockenriedstr. 8 C
 70565 Stuttgart
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2. HAZARDS IDENTIFICATION

The preparation is non-dangerous in accordance with Directive 1999/45/EC

Labelling

Not dangerous

2. HAZARDS IDENTIFICATION

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature of the preparation
Hazardous components

Preparation

Chemical Name	CAS-No	EC-No	Weight %	Classification	GHS Classification	REACH Registration Number
1,2-Propylene glycol	57-55-6	200-338-0	10 - 20	-		no data available

4. FIRST AID MEASURES

Inhalation

Move to fresh air. Keep at rest. If breathing is irregular or stopped, administer artificial respiration. Immediate medical attention is required.

Skin contact

Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before re-use. If skin irritation persists, call a physician.

Eye contact

Rinse immediately with plenty of water for at least 15 minutes. Call a physician immediately.

Ingestion

If swallowed, do not induce vomiting - seek medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

water, carbon dioxide (CO₂), foam, dry chemical.

Extinguishing media which must not be used for safety reasons

high volume water jet.

Method

In the event of fire, cool tanks with water spray.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Wear self-contained breathing apparatus and protective suit. Prevent further leakage or spillage if safe to do so.

Environmental precautions

The product should not be allowed to enter drains, water courses or the soil. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

Methods for cleaning up

Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly.

Elimination

Dispose of in accordance with local regulations. Collect leaking liquid in sealable (metal/plastic) containers.

7. HANDLING AND STORAGE

Handling

Handle in accordance with good industrial hygiene and safety practice. Handle and open container with care. Avoid contact with skin, eyes and clothing. Do not breathe vapours/dust. Ensure adequate ventilation. Do not use pressure to empty drums. Container hazardous when empty.

Storage

Keep containers tightly closed in a cool, well-ventilated place. Keep away from direct sunlight. Keep in properly labelled containers. Keep at temperature not exceeding 35°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Ensure adequate ventilation

Exposure limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
1,2-Propylene glycol		STEL: 450 ppm STEL: 1422 mg/m ³ STEL: 30 mg/m ³ STEL: 450 ppm TWA: 150 ppm TWA: 474 mg/m ³ TWA: 10 mg/m ³			

Chemical Name	Switzerland	Poland	Norway	Ireland	Denmark
1,2-Propylene glycol			TWA: 25 ppm TWA: 79 mg/m ³ TWA: 25 ppm STEL: 37.5 ppm STEL: 118.5 mg/m ³	TWA: 150 ppm TWA: 470 mg/m ³ TWA: 10 mg/m ³ TWA: 150 ppm	

Personal protective equipment

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Wear protective gloves, impervious butyl rubber gloves

Eye protection

Chemical resistant goggles must be worn, safety glasses with side-shields

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	liquid
Colour	black
Odour	slight
pH	no data available

Important Health Safety and Environmental Information

Flash point >99°C>210°F

Explosion limits

Melting point/range <5°C<41°F

Chemical Name	CAS-No	Daphnia Magna (Water Flea)	LC50/96h/Fathead minnows =	GHS Aquatic Toxicity Classified
1,2-Propylene glycol	57-55-6	1000: 48 h Daphnia magna mg/L EC50 Static 10000: 24 h Daphnia magna mg/L EC50	51600 41 51400 710	

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with local regulations. Should not be released into the environment. Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging

Dispose of in accordance with local regulations. Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

ADR

Proper shipping name	not regulated
UN-No	not regulated
Hazard Class	not regulated
Packing group	not regulated
Classification Code	not regulated

IMDG/IMO

Proper shipping name	not regulated
UN-No	not regulated
Hazard Class	not regulated
Packing group	not regulated
EmS	not regulated

IATA

Proper shipping name	not regulated
UN-No	not regulated
Hazard Class	not regulated
Packing group	not regulated
ERG Code	not regulated

15. REGULATORY INFORMATION

Labelling

In accordance with local and national regulations: The preparation is non-dangerous in accordance with Directive 1999/45/EC.

Not dangerous

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

This safety datasheet only contains information relating to safety and does not replace any product information or product specification This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties