



SAFETY DATA SHEET PERMANENT INK REMOVER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME PERMANENT INK REMOVER
PRODUCT NO. PIR
APIR012
APIR125
ZA
APPLICATION Cleaning Product
SUPPLIER AF INTERNATIONAL. A division
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2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.
CLASSIFICATION (1999/45) Not classified.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
DIPROPYLENE GLYCOL MONOMETHYL ETHER		34590-94-8	10-30%	-
N-(n-OCTYL)-2-PYRROLIDONE	403-700-8	2687-94-7	<0.5%	C;R34 N;R51/53

The Full Text for all R-Phrases is Displayed in Section 16

COMPOSITION COMMENTS

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels

4 FIRST-AID MEASURES

NOTES TO THE PHYSICIAN

Treat symptomatically

INHALATION

Move the exposed person to fresh air at once. Provide rest, warmth and fresh air.

INGESTION

Rinse mouth thoroughly. Get medical attention.

SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

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6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
DIPROPYLENE GLYCOL MONOMETHYL ETHER	WEL	50 ppm	308 mg/m3			Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

ENGINEERING MEASURES

No particular ventilation requirements.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Colourless
ODOUR	Characteristic Lemon
SOLUBILITY	Miscible with water
RELATIVE DENSITY	1.003 @ 20 °C (68 F)
pH-VALUE, CONC. SOLUTION	10.2 - 10.5
FLASH POINT (°C)	>55 (131 F) CC (Closed cup).

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

11 TOXICOLOGICAL INFORMATION

INHALATION

No specific health warnings noted.

INGESTION

No specific health warnings noted.

SKIN CONTACT

No specific health warnings noted.

EYE CONTACT

No specific health warnings noted.

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HEALTH WARNINGS

No specific health warnings noted. No specific acute or chronic health impact noted, but this chemical may still have adverse impact on human health, either in general or on certain individuals with pre-existing or latent health problems.

OTHER HEALTH EFFECTS

This substance has no evidence of carcinogenic properties.

Name	METHANOL
Toxic Dose 1 - LD 50	9100 mg/kg (oral rat)
Toxic Conc. - LC 50	145000 ppm/4h (inh-rat)
Name	DIPROPYLENE GLYCOL MONOMETHYL ETHER
Toxic Dose 1 - LD 50	>5000 mg/kg (oral rat)
Toxic Conc. - LC 50	55 mg/l/4h (inh-rat)

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

Name	METHANOL
LC 50, 96 Hrs, Fish mg/l	10800
EC 50, 48 Hrs, Daphnia, mg/l	24500
IC 50, 72 Hrs, Algae, mg/l	8000

Mobility

The product is soluble in water.

Bioaccumulative Potential

The product is not bioaccumulating.

Name	DIPROPYLENE GLYCOL MONOMETHYL ETHER
LC 50, 96 Hrs, Fish mg/l	>1000
EC 50, 48 Hrs, Daphnia, mg/l	1919

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

	No transport warning sign required.
ROAD TRANSPORT NOTES	Not Classified
RAIL TRANSPORT NOTES	Not classified.
SEA TRANSPORT NOTES	Not classified.
AIR TRANSPORT NOTES	Not classified.
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT	No.
ADR CLASS	Not classified for transportation.

15 REGULATORY INFORMATION

RISK PHRASES

NC Not classified.

SAFETY PHRASES

NC Not classified.

UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations.

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

System of specific information relating to Dangerous Preparations. 2001/58/EC.

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Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation 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, including amendments.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION COMMENTS

Revised in accordance with CHIP3 and EU Directives 1999/45/EC and 2001/58/EC

ISSUED BY

Helen O'Reilly

REVISION DATE NOVEMBER 2009

REV. NO./REPL. SDS 3

GENERATED

SDS NO. 11519

RISK PHRASES IN FULL

R34 Causes burns.

NC Not classified.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.