

## MATERIAL SAFETY DATA SHEET

**PRODUCT** RG-PXM PERMANENT MARKER



Flammable



Irritant



### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name: PERMANENT MARKER  
 Code: RG-PXM  
 Colour: BLACK, BLUE GREEN OR RED  
 CAS no: n/a  
 EC no: n/a  
 UN No: 1993  
 EAC: 128  
 Hazchem: 3[Y]E  
 Kemler: 33  
 SAPMA: 2-H-E

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### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

EC Classification: F Xi, R11,36 S02,13,16,26,43,46,51

#### HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Substance / Preparation	Conc'n %	CAS	EC	EEC labels	OEL	STOEL	P-Phases
Propyl alcohol	>5%	71-23-8	603-003-00-0	F, Xi	500mg, 200ppm	625mg, 250ppm	RL, S
1-methoxy 2-propanol	-	107-98-2	603-064-00-3	n/a	360mg, 100ppm	080mg, 300ppm	RL, S
Ethyl Alcohol - Pure	-	64-17-5	603-002-00-5	F	1900mg, 1000ppm	-	RL

(CL/RL = Controlled/Recommended level 'S' = Skin annotation)

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## SECTION 3. HAZARDS IDENTIFICATION

SAPMA Health Rating: 2 – MODERATE. Temporary or minor injury possible even if treatment given.  
 Inhalation: Irritating, narcotic. Can affect CNS.  
 Skin: Irritating, risk of dermatitis.  
 Eyes: Irritating - may cause damage if not given prompt attention.  
 Ingestion: Irritating, nauseating - can affect CNS.  
 No carcinogenic, mutagenic or genetic effects established.  
 May have short term environmental effects. Contain, monitor & remove.

## SECTION 4. FIRST AID MEASURES

Inhalation: Move to fresh air. In case of discomfort seek medical attention.  
 Skin: Use hand cleaner/soap & water. Remove contaminated clothing. If any discomfort seek medical attention.  
 Eyes: Rinse well with water and seek medical advice if discomfort persists.  
 Ingestion: Wash mouth with plenty of water. Do NOT induce vomiting. Seek medical advice.

## SECTION 5. FIRE FIGHTING MEASURES

Highly flammable with toxic fumes.  
 Containers can burst in a fire. Can form explosive vapour/air mixture. Static discharge hazard!  
 Foam. Dry powder. Fog to cool and control. Do NOT use water jets.  
 Cool containers in case of fire.

## SECTION 6. ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5, 8, 13

Contain & collect. Use an inert - NOT sawdust. Keep out of drains & sewers.

## SECTION 7. HANDLING AND STORAGE

Store separately from any reactive substances - oxidisers in particular.  
 No open flames. No smoking. No sparks.  
 Keep containers cool. Avoid free fall of liquid - use earthing.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAPMA Rating: 2-H-E  
 PPE: Respirator and Eye protection  
 Inhalation: In case of insufficient ventilation, use suitable respiratory protection.  
 Skin: Use barrier cream and impervious gloves.  
 Eyes: Avoid any form of direct contact. Do not touch eyes with dirty hands or gloves.  
 Ingestion: Observe the rules of hygiene. Wash before eating, drinking or smoking.  
 OEL Type: Mix - Mixture - See Section 2 Skin annotation.



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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical class: Ink  
 Description: Coloured liquid  
 Smell: Pungent  
 Visc.: 4-8 mm Pas SG: >0.82, NV: <30%  
 Boil. pt: >35°C  
 Flash point <23°C  
 Water: Soluble  
 Oil: Miscible

## SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions  
 Prone to ignite by static  
 Inert - no reaction with fire-fighting water

## SECTION 11. TOXICOLOGICAL INFORMATION

No carcinogenic, mutagenic or genetic effects established

## SECTION 12. ECOLOGICAL INFORMATION

May have short term environmental effects. Contain, monitor & remove.

## SECTION 13. DISPOSAL INFORMATION

Use reputable waste disposal contractors. Exercise caution in disposal of used containers.

## SECTION 14. TRANSPORT INFORMATION

UN no: 1993 Packing group: II IMO Class: 3.2  
 EAC: 128 Hazchem: 3[Y]E Kemler: 33



## SECTION 15. REGULATORY INFORMATION

EC no.: n/a  
 Contains: PROPYL ALCOHOL  
 EC Classification: F, Xi,R11,36 S02,13,16,26,43,46,51  
 R11 Highly Flammable  
 R36 Irritating to the eyes  
 S2 Keep out of reach of children. (Retail sales items)  
 S13 Keep away from food, drink and animal feeding stuffs  
 S16 Keep away from sources of ignition - No smoking  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
 S43 In case of fire, use water fog, foam or powder - Do not use water jets!  
 S46 If swallowed seek medical advice immediately and show this container or label  
 S51 Use only in well ventilated areas



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## **SECTION 16. OTHER INFORMATION**

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.  
IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

This MSDS conforms with General Administrative Regulations of 6 Sept.1996 (ISO-11014/ANSIZ400.1.1996)  
OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)  
SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991)  
All information is given in good faith but without guarantee in respect of accuracy.  
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