

Trade name: **PROMAPAIN[®] APT 2-PACK SOLVENTBORNE
ACRYLIC / POLYURETHANE**

1. Identification of the product and of the company

Product name: PROMAPAIN[®] APT 2-Pack Solventborne Acrylic / polyurethane
Intended Product use: Industrial spraying, general industrial coatings, water based intumescent paint.
Company
 Comp : Promat International (Asia Pacific) Ltd.
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2. Composition / Information on ingredients

Component	CAS No.	Symbol	R-phrases
Xylene	1330-20-7	Xn	R10, R20/21,R38
N-Butyl acetate	123-86-4	F, Xn	R11, R20
2-Ethoxyethylacetate	111-15-9	X1	R11, R36
Amide wax		Xn	R20, R53
Bis (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	82919-37-7	Xi, N	R43, R51/53

3. Hazard Identification

Hazardous components Xylene.

R-phrases Flammable.
 Harmful by inhalation and in contact with skin.
 Irritating to respiratory system.
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases Do not breathe spray.
 Keep out or reach of children.
 In case of insufficient ventilation, wear suitable respiratory equipment.
 If swallowed, seek medical advice immediately and show the container or label.
 Avoid release to the environment. Refer to special instructions / safety data sheets.

P-phrases Contains bis (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate.
 May produce an allergic reaction.

4. First aid measures

General When symptoms persist or in all cases of doubt seek medical advice.

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	Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.
Ingestion:	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
Skin contact:	Remove contaminated clothing immediately. Rinse the skin thoroughly with soap and water. Do NOT use solvents or thinners.
Eye contact:	Do not rub the eye, flush copiously for at least 15 minutes. If eye irritation or inflammation persists, seek medical advice.

5. Fire fighting measures

Special hazards during fire fighting	As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for fire fighters	Not applicable.
Suitable extinguishing media	Not applicable.
Extinguishing media which must not be used for safety reasons	Not applicable.

6. Accidental spill / release measures

Personal precautions	Use personal protective equipment. Ventilate the area. Refer to protective measures listed in sections 7 and 8. Wear respiratory protection. Beware of vapours accumulation to form explosive concentrations. Vapours can accumulate in low areas. Remove all sources of ignition.
Environmental precautions	Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains, inform respective authorities.
Methods for cleaning up	Clean with detergents. Avoid solvents. Contain and collect spillage with non-combustible absorbent material, and place

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in container for disposal according to local or national regulations (see section 13).

Additional advice

Refer to section 15 for specific national regulation.

7. Handling and storage

Handling:

Avoid exceeding of the given occupational exposure limits (see section 8). Use only in area provided with appropriate exhaust ventilation. Avoid contact with skin, eyes and clothing. Smoking, eating and drinking should be prohibited in the application area. Avoid inhalation of vapour or mist. For personal protection see section 8.

Requirements for storage areas and containers

Observe the label precautions. Prevent unauthorised access. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Store between 5°C and 25°C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Solvent vapours are heavy air and may spread along floors. Vapours may form explosive mixtures with air. Electrical installations / materials must comply with the technological safety standards. Keep away from sources of ignition. No smoking Store in accordance with the particular national regulations (see section 15).

Advice on common storage

Keep away from oxidising agents and strongly acid or alkaline materials.

8. Exposure controls / Personal protection

Personal protective equipment:**Respiratory protection**

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

Hand protection

For prolonged or repeated contact use protective gloves. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred. Skin should be washed after contact.

Eye protection

Chemical resistant goggles must be worn.

Skin and body protection

Wear protective clothing. Working clothes must not consist of textiles, which show a dangerous melting behaviour in case of fire. Workers should wear anti-static footwear.

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Personal protection	Enclosing glasses, safety gloves and P2A2 half-face combo mask.
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9. Physical and chemical properties

Appearance:	Viscous
Colour:	Various
Odour:	Mild aromatic
Important safety parameters:	
Boiling point / boiling range:	N.A.
Melting point / melting range:	N.A.
Flash point:	30.1°C
Flammability (solid, gaz):	N.A.
Flammability temperature:	N.A.
Auto-flammability:	> 350°C
Explosive properties (danger and limits):	0.98% (V)
Oxidizing properties:	N.A.
Vapour pressure:	N.A.
Relative density:	ca. 1300~1400kg/m ³
Solubility:	
- water solubility:	Miscible with water
- fat solubility:	N.A.
pH value:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Viscosity:	N.A.

10. Stability and reactivity

Conditions to avoid	Avoid temperature above 60°C, direct sunlight and contact with sources of heat.
Hazardous reactions	Keep away from oxidising agents, strongly alkaline or acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	In case of fire hazardous decomposition products may be produced such as carbon dioxide, carbon monoxide, oxides of nitrogen dense black smoke.

11. Toxicological information

Acute oral toxicity	May cause nausea, abdominal spasms and irritation of the mucous membranes.
Acute inhalation toxicity	Exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects. Such as mucous membrane irritation, respiratory system irritation, adverse effects on kidney, liver and central nervous system. Symptoms and signs such as headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

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Skin irritation	Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin. The product may be absorbed through the skin.
Eye contact	The liquid splashed in the eyes may cause irritation and reversible damaged.

12. Ecological information

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45EC and is classified for ecotoxicological properties accordingly. See sections 2 and 15 for details.

13. Disposal considerations

The product should not be allowed to enter drains, water courses or the soil. Disposal together with normal waste is not allowed. Special disposal required according to local regulations.

14. Transport information

Transport to be in accordance with ADR for road, IMDG for sea and IATA for air transport:

UN No	1263
Proper shipping name	Paint.
Class	3
Packing group	III
Label	3
Marine pollutant (IMDG) (P,PP,-)	P
Marine pollutant component (IMDG)	Solvent naphtha (petroleum, light aromatic)
Ems (IMDG)	3-05
Limited quantity (ADR)	Maximum per inner pack = 5 litre Maximum per outer pack = 45 litre
Limited quantity (IMDG)	Maximum per inner pack = 5 litre Maximum per outer pack = 30 kg

NOTE: If pack sizes less than 450 litres, under the terms of 2.2.3.1.5, this product is not subject to the provisions of ADR.

15. Regulatory information

Hazardous components which must be listed on the label	Xylene
R-phrases	R10 Flammable. R20/21 Harmful by inhalation and in contact with skin. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases	S23 Do NOT breather spray. S36/37 Wear suitable protective clothing and gloves.

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	S38	In case of insufficient ventilation, wear suitable respiratory equipment.
	S61	Avoid release to the environment. Refer to special instructions / safety data sheets.
P-phrases	P99	Contains bis (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate. May produce an allergic reaction.
VOC	545.5g/litre Method = Calculated	
National legislation vlarem	Vlarem 2A	
CPR classification	K3 Xn	
NER classification	NER Class 0.1: 0.0% (m) NER Class 0.2: 36.9% (m) NER Class 0.3: 1.1% (m)	

16. Other information

Explanation of R-phrases mentioned in section 2.

Xylene	R10	Flammable.
	R20/21	Harmful by inhalation and in contact with skin.
	R38	Irritating to skin.
N-Butyl acetate	R10	Flammable.
	R51	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R65	Harmful. May cause lung damage if swallowed.
	R37	Irritation to respiratory system.
	R66	Repeated exposure may cause skin dryness or cracking.
	R67	Vapours may cause drowsiness and dizziness.
Ethoxyethylacetate	R10	Flammable.
	R36	Irritating to eyes.
Amide wax	R20	Harmful by inhalation.
	R53	May cause long-term adverse effects in the aquatic environment.
Bis (1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	R40	May cause sensitisation by skin contact.
	R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY DATA SHEET

Promat

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**Methyl (1,2,2,6,6-pentamethyl-
4-piperidinyl) sebacate**

**R43
R51/53**

May cause sensitisation by skin contact.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The recommendations for use and installation of PROMAPAIN[®] APT 2-Pack Solventborne Acrylic / polyurethane have to be followed as indicated in the Promat Handbook.

The health and safety information contained herein is believed to be accurate and correct based on our current knowledge at the date of issue and no liability can be accepted for any loss, injury or damage resulting from its use. It is intended as a guide for the safe handling, storage and use under normal conditions, but does not necessarily refer to the particular requirements of a customer when further advice should be obtained.

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