



MATERIAL SAFETY DATA SHEET

1. Product Identification

Identity : **PMC Flawcheck Liquid Penetrant PP-15**
(PP-15B in Aerosol Can Packing)
Product Use : Visible Penetrant Inspection
Packing : One litre tin and 20 litre drums and in aerosol can
Packing

2. Composition/Information on Ingredients

Hazardous Components [Specific Chemical Identity : Common Name(s)]	OSHA PEL	ACGIH TLV	Other Limit Recommended	% (Optional)
Mixture of Fatty Acids	: NA	NA	NA	60 – 70%
Petroleum Distillate	: NA	NA	NA	30 – 40%
Liquified Petroleum Gas (only as propellant in aerosol can)	: NA	NA	NA	

CAS No. NA NA = Not Applicable

3. Hazards Identification

Route (s) of Entry - Primary routes - skin and inhalation

4. First Aid Measures

Swallowing - Do not Induce Vomiting. Obtain medical attention **Skin** - Remove contaminated clothing. Wash skin with Soap and Water. If irritation persists or if contact has been prolonged, obtain Medical Attention. **Inhalation** - Remove to fresh air. **Eyes** – Immediately flush eyes with cool water and continue washing for at least 15 minutes obtain medical attention without delay.

Notes to physician :

There is no specific antidote. Treatment of Overexposure should be directed at the control of symptoms and the clinical condition of the patient. In case of massive overexposure, victim should be observed for several days for delayed effect. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (e.g. gastric lavage after endotracheal intubation)

..2/-



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CIN : U24110GJ1996PTC029407



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5. Fire Fighting Measures

Flash Point	- Above 60°C (Abel's Closed Cup) Not Applicable to Aerosol Cans
Flammable limit	- Data not available
Extinguishing Media	- Carbon dioxide, Foam, Dry Chemical
Special Fire Fighting Procedures	- Keep Container cool with Water Spray. Do not use direct Stream of water on burning PP-15 : it may spread the fire, Product may float and reignite on Surface of Water. Fire Fighters should Wear Self Contained breathing apparatus and full Protective Clothing .
Unusual Fire and Explosion Hazards	- On burning product may release Vapours, Carbon Dioxide and/or Carbon Monoxide, Explosion hazards exist in aerosol can, Should avoid high temperature. Fire Hazards when material comes in contact with open flame and air.

6. Accidental Release Measures

Steps to be taken in case of material is Released or Spilled - Wear eye and skin protection. Floor may be slippery, use care to avoid falling, contain spills immediately with inert material (sand, earth). Avoid discharge to natural water. Transfer liquids and Solid diking material to suitable containers for recovery or disposal. Final clean-up with water and suitable detergent to remove surface residue is suggested.

7. Handling and Storage

Handling – Do not splash or create mists or vapour. **Storage** - Store away from High temperature and open flames. Keep containers closed. Do not let aerosol can temperature go above 55°C, as it raises the internal pressure of can which may results bursting of the can. **Other Precautions** – Use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Wash thoroughly after handling.

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8. Exposure Controls / Personal Protection

Respirator Protection - Use approved respirator if vapour or mist is generated
Ventilation - General (mechanical) room ventilation is expected to be satisfactory
Protective Gloves – Chemical resistant, **Eye Protection** Monogoggles or chemical safety when possibility of splashing

Other Protective Clothing/Equipments – Chemical Apron, Eye Bath, Safety Shower, If any electrical item, use flame proof equipments

9. Physical and Chemical Properties

Boiling Points	- NA	Density at 25°C g/cc	0.85 - 0.90
Vapour Pressure (mm Hg)	- NA	Melting Point	NA
Vapour Density (Air = 1)	- NA	Evaporation Rate	NA
Solubility in Water	- Not Soluble	(Butyl acetate = 1)	
Appearance and odour	- Reddish Pink – Petroleum Odour		

10. Stability and Reactivity

Stability - Stable, **Conditions to avoid** – Open Flames and Hazards normally Incompatible with petroleum oils. **Incompatibility (Material to avoid)** - Normally Unreactive, however avoid oxidizing agents, **Hazardous Decompositions or Byproducts** – Burning of Products can produce black soot, oxides of carbon, etc. **Hazardous Polymerization** – May occur.

11. Toxicological Information

Swallowing - Data not available, **Skin Absorption** – Data not available **Inhalation**
- Short Term harmful effects are not expected from vapour generated at ambient temperature, but vapour may cause dizziness and nausea in close environment. **Skin Contact** - Can cause irritation on skin on long or repeated exposure in some cases. **Eye contact** – Vapour may irritate, it may cause discomfort or pain

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Effect of Repeated Overexposure - Data Not available
Medical Conditions aggravated by Overexposure - Data not available
Other effect of Overexposure - None currently known.

12. Ecological Information

Not Applicable

13. Disposal Consideration

Slowly incinerate in open furnace where permitted under Federal, State and local regulations

14. Transport Information

Proper Shipping Name : **PMC Flawcheck Penetrant PP-15B**
Hazard Class : 2.1
UN No. : 1950
Packing group/Packing Instruction : P003

Manufacturer's Name : M/s. P-Met High-Tech Company Private Limited.
Address : 1-5/6 Industrial Estate, Gorwa
Vadodara – 390 016, Gujarat, India

Telephone Numbers : 91 265 2282326, 2281125
Emergency Telephone Number : 91 265 2282326, 2281125
Telephone Number for Information : 91 265 2282326, 2281125
Data Prepared : December 2022
Signature of Preparer : (Optional)

15. Regulatory Information : Not Applicable

16. Other Information

Label Hazard Warning : Flammable

Label Precautions : Use it only in conjunction with prescribed PMC Cleaner and Developer Products as instructed in product catalogue. Spray should not come in prolonged contact with human body.

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Store in normal atmospheric condition. Keep away from flame , fire and hot objects
Do not throw empty can in fire.

- No smoking during use
- For industrial use
- Do not take internally

Label First Aid

Ref Point No. 4

Product Use : 1. For Inspection of All Steel plate Viz. A537-CL-1
2. For Inspection of All Discontinuity open to the Surface of all metals/welding/casting/forging.

Note :

The above information are provided as guidelines. It may change from one environment to another. Hence Consumer/Operator is requested to conduct and establish his own safety measures based on fact operating condition.

The information contained herein are correct to the best of our knowledge and are based on the information available to us till date. The information given herein are liable to undergo changes without any prior notice.

Prepared by : P-Met High-Tech Company Private Limited., Vadodara , India



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