



MATERIAL SAFETY DATA SHEET

1. Product Identification

Identity : **PMC Flawcheck Cleaner PC-21**
(PC-21B in aerosol can packing)
Product Use : Wipe on Solvent Cleaner/Remover for
Penetrant Inspection
Packing : One litre tin , 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)
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Ketonic Solvents	: NA	NA	NA	
Liquified Petroleum Gas (only as propellant in aerosol can)	: NA	NA	NA	

CAS No. – Based on 67-64-1

NA = Not Available

3. Hazards Identification

Route(s) of Entry - Primary Routes of Entry - 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. Use soothing lotion If
irritation persists , obtain Medical Attention. **Inhalation** - Remove immediately to fresh air.
Eyes – Immediately flush eyes with cool water and continue washing for at least 15 minutes
obtain medical attention without delay preferably from an ophthalmologist

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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5. Fire Fighting Measures

Flash Point (Method used)	- Below 15°C (Not applicable to aerosol cans) (Abel's closed cup)
Flammable limits	- LEL NA UEL 0-15%
Extinguishing Media	- Carbon Dioxide, Foam and Water
Special Fire Fighting Procedures	- Keep Container cool with water Fire Fighters should wear self contained breathing apparatus and full protective clothing .
Unusual Fire and Explosion Hazards	- 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. Contain spills immediately with inert material (eg. sand,& earth). Avoid discharge to natural water. Transfer solid diking material to suitable containers for disposal. Final clean-up with suitable detergent to remove surface residue

7. Handling and Storage

Handling – Do not splash or create mists or vapour. **Storage** - Store away from High temperature and from 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.

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

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

9. Physical and Chemical Properties

Boiling Point C	- 50 to 60	Density at 25°C g/cc	0.77 - 0.80 approximate
Vapour Pressure (mm Hg)	- NA	Melting Point	NA
Vapour Density (Air = 1)	- NA	Evaporation Rate (Butyl acetate = 1)	NA
Solubility in water	- Miscible with water		
Appearance and odour	- Colourless Liquid, Sweet odour		

10. Stability and Reactivity

Stability - Stable, **Conditions to avoid** – Open Flames , sunlight, high temperature and hazards normally incompatible with petroleum oils. **Incompatibility (Material to avoid)** - Avoid high temperature and open flame, **Hazardous Decompositions or Byproducts** – Burning can produce toxic vapours which are harmful if inhaled, oxides of carbon. **Hazardous Polymerization** – Data not available.

11. Toxicological Information

Swallowing - May cause irritation of the mouth and throat **Skin Absorption** – Data not available **Inhalation** - Short Term harmful effects are not expected from vapour generated at ambient temperature. **Skin Contact** - Can cause irritation on skin on prolong exposure in some cases, but not to all. **Eye contact** – Can irritate moderately.

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

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13. Disposal Consideration

Product contains Organic Volatile Solvents.. Organic Solvents evaporates in air leaving no solid residue.

Consult appropriate State and Local regulatory authorities / agencies to ascertain proper disposal of aerosol products.

14. Transport Information

Proper Shipping Name : **PMC Flawcheck Cleaner PC-21B**
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 Penetrant and Developer Products as instructed in product catalogue. Spray should not come in prolonged contact with human body.

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

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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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