

MATERIAL SAFETY DATA SHEET

Manifa PY 48 Series Polyester Powder Coatings



1. Product and Company Identification

Product Name : Manifa PY 48 Series
(Polyester Powder Coatings)

Company Identification : Manifa Paints and Powder Coatings Co. Ltd.,
P.O Box 11656, Support Industries 3,
Jubail Industrial City 31961
Kingdom of Saudi Arabia

Customer Information
and Emergency Number : Tel. No. 00966 13 340 8866
Fax No. 00966 13 340 8462
sales@manifapowder.com

2. Hazards Identification

Eye Contact : Essentially nonirritating to eyes.

Skin Contact : Prolonged or repeated contact may cause skin irritation.

Inhalation : Dust may cause irritation to upper respiratory tract (nose and throat).

Ingestion : Low toxicity if swallowed. Small amount swallowed during handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

Developmental
Effects : Long-term exposure known to cause heritable genetic damage.

3. Composition Information

No	Components	CAS-NO	Cons. (Weight %)
1	1,3,5 – tris (Oxyranilmethyl)-1,3,5-Triazine – 2,4,6 (1H, 3H, 5H) – trione (TGIC)	2451-62-9	5-10%

4. First Aid

GENERAL

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

INHALATION

Provide fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in the recovery position. Seek medical advice.

SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water or use an appropriate skin cleaner.

EYE CONTACT

Remove any contact lenses. Hold the eyelids apart. Irrigate copiously with clean, fresh water for at least 10 minutes. Seek medical advice.

INGESTION

DO NOT INDUCE VOMITING. If accidentally swallowed obtain immediate medical attention. Keep at rest. Seek medical advice.

MEDICAL INFORMATION

Persons with rash are directed to skin expert for examination of allergic dermatitis. General medical examination.

5. Fire Fighting Measures

FIRE AND EXPLOSION HAZARDS

Fire will produce dense black smoke containing hazardous products of combustion (*see Section 10*). Decomposition products may be a hazard to health.

PERSONAL PROTECTION WHEN FIREFIGHTING

The personal protective equipment required is provided in section 8. Professional fire-fighters are required to use an air-fed system when dealing with major fires.

OTHER INFORMATION

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

6. Accidental Release Measures

OTHER INFORMATION

Exclude sources of ignition and ventilate the area. Avoid breathing dust. Avoid skin contact. Contain and collect spillage with a electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations (*see section 13*). Small amounts to be removed with water. Do not discharge large amounts into drains.

7. Handling and Storage

HANDLING ADVICE

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. The product should not be used in vicinity of open flames or other sources of ignition. Use explosion-proof electrical equipment. The product may charge electrostatically. Keep container tightly closed. Exclude sources of heat, sparks and open flame. Use non-sparking tools. Prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Avoid skin and eye contact. Smoking, eating and drinking are forbidden in the work area. For personal protective equipment see Section 8. The product should not be used in vicinity of open flames or other sources of ignition.

STORAGE

Store in a dry, cold and well ventilated place away from sources of heat, ignition and direct sunlight. Store separately from oxidizing agents and strongly alkaline and strongly acidic materials. No smoking. Prevent unauthorized access. Prevent unauthorized access. Containers which are opened should be properly resealed and kept upright to prevent leakage.

8. Exposure Control and Personal Protection

EXPOSURE CONTROL

Use Mechanical Ventilation in case of handling which causes formation of dust.

RESPIRATORY PROTECTION

When workers are facing concentrations above the occupational exposure limit they must use appropriate certified respirators. Use dust mask.

EYE PROTECTION

Safety eyewear should be used when there is a likelihood of exposure.

HAND PROTECTION

Use resistant gloves. Use cotton gloves inside.

SKIN PROTECTION

Personal should wear protecting clothing. Care should be taken in the selection of protective clothing to ensure that inflammation and irritation of the skin at neck and wrists through contact with the powder is avoided.

9. Physical and Chemical Properties

Physical State	:	Powder
Odour	:	Odourless
Colour	:	Various
Density	:	1.6 to 1.8 g/cm ³
Lower explosion limit	:	30 g/m ³
Decomposition temperature	:	>250°C
Auto-ignition temperature	:	Product is not self igniting
Melting point/melting range	:	95 to 125°C

10. Stability and Reactivity

STABILITY

Stable under recommended storage and handling conditions (*see section 7*).

MATERIALS TO AVOID

Keep away from oxidizing agents, strongly alkaline and strongly acidic materials to prevent the exothermic reactions.

HAZARDOUS DECOMPOSITION PRODUCTS

In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.

11. Toxicological Information

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Coating powders can cause localized skin irritation in folds of the skin or under tight clothing.

Skin contact with the preparation and exposure to spray mist and vapors should be avoided.

Contains TGIC and studies shows that TGIC is mutagenic in animals.

12. Ecological Information

There is no data available to product itself. But since it contains TGIC may cause long term adverse effect to aquatic environment.

13. Disposal

Do not allow into drains or water courses. Spill, residue, disposable gloves, protective clothing and packaging must be collected in separate containers labeled as harmful waste with information regarding allergy risk. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

14. Transport Information

Not classified as dangerous Goods.

15. Regulatory Information

Risk Phrases : R36/38- Irritating to eyes and skin.
R43- May cause sensitization by skin contact.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases : S22- Do not breathe dust.
S36/37- Wear suitable protective clothing and gloves.

16. Other Information

Recommend Uses and Restrictions

Industrial powder coating applications.

Vendor Notes

Information contained in this Material Safety Data sheet is believed to be reliable but no representation, guarantees or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them or results to be obtained.