

# Shimadzu Corporation

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MATERIAL SAFETY  
DATA SHEET

## CHEMICAL PRODUCT

MSDS Name

Pt( II )meso-Tetra(pentafluorophenyl)porphine  
Synonym 5,10,15,20-Tetrask(pentafluorophenyl)-21H,23H-porphine, platinum( II )

## COMPOSITION AND INFORMATION ON INGREDIENTS

Pt( II )meso-Tetra(pentafluorophenyl)porphine

Formula C<sub>44</sub>H<sub>8</sub>F<sub>20</sub>N<sub>4</sub>Pt

Purity

TLV/PEL

Not Available

## HAZARDS IDENTIFICATION

Irritating to the eyes and skin on contact. Inhalation may cause of the lungs and respiratory system. Irritation of the eye is characterized by redness, watering, and itching. Skin irritation is characterized by itching, swelling, reddening, or blistering. The toxicological properties of this material have not been investigated. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

## FIRST AID MEASURES

**Eyes**-Flush eyes with plenty of water at least 15minutes, occasionally lifting the upper and lower Lids. DO NOT use eye ointment. Get medical aid immediately.

**Skin**- Get medical aid. Flush skin withof soap and water – at least 15 minutes and remove contaminated clothing and shoes.

**Ingestion** – If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

**Inhalation** – Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

## FIRE AND EXPLOSION DATA

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Flammability Not available

Flash Point Not available

Auto-ignition Not available

Flammable Limits Not available

Fire fighting media: SMALL FIRE: Use DRY chemicals, CO<sub>2</sub>, water spray, or foam.

LARGE FIRE: Use water spray, fog, or foam. DO NOT use water jet.

## ACCIDENTIAL RELEASE MEASURES

In case of spill or leak, always shut off any sources of ignition, ventilate the area if dust is present in the air, and exercise caution. Use a brush pan to put the material into convenient waste disposal container. Finish cleaning the spill by rising any contaminated surfaces with copious amounts of water and detergent such as 409®. Use proper personal protective equipment as indicated in section EXPOSURE CONTOROLS, PRESONAL PRETECION.

## HANDLING AND STORAGE

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Store in a cool dry place. Keep away from sources of heat and ignition. Avoid excessive heat and light. Keep container closed when not in use.

## EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls – Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels

Personal Protection – Work in approved fume hood. Use splash goggles, gloves, and lab coat. A respiratory protection program that meets OSHA's 29 CFR | 1930.134 and ANSI Z88.2 requirements must be followed whenever workspace conditions warrant a respirator's use.

Exposure Limits – Not Available

## PHYSICAL AND CHEMICAL PROPERTIES

Physical State	solid	BP	Not specified	Formula	C44H8F20N4Pt
Density		MP	Decomposes > 315	Mass	1168.62
Odor	NONE	Solubility	Polar Organic Solvents e.g. CH2Cl2		

## STABILITY AND REACTIVITY DATA

Stability This material is stable if stores under proper conditions.

Conditions to avoid Excessive heat and light, incompatible materials, oxidants, acids.

Incompatibles Strong oxidizing agents.

## TOXICOLOGICAL INFORMATION

The toxicological properties of this material have not been fully investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

RTECS Number	NA	Carcinogenic Effects	Not available
Toxicology	Not Available	Mutagenic Effects	Not available
Routes of Exposure	Ingestion, inhalation		

## ECOLOGICAL INFORMATIN

Ecotoxicity : Not Available Environmental fate: Not Available

## DISPASAL CONSIDERRATIONS

Waste Disposa You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equiped with an afterburner and scrubber system . Dispose of in a manner consistent with federal , state, and local regulations

## TRANSPORT INFORMATION

DOT Classification	NONE	Proper Shipping Name	None
UN/ID Number	None	Packing Group	None

## REGULATORY INFORMATION

This material IS NOT on the EPA Toxic Substances Control Act(TSCA) inventory. The following notices are required by 40CFR 720.36(C) for those products snot on the inventory list:

1)This product is supplied solely for use in research and development by or under the supervision of technically qualified individuals as defined in 40 CFR 720.0.

2)The health risks of those products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS Sheet.

## ADDITIOANAL INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purpose. In no way shall SHIMADZU Corp. be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if SHIMADZU Corp.has been advised of the possibility of such damages.