
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools

Flammable. Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products

Carbon monoxide (CO) Carbon dioxide (CO₂) Oxides of phosphorus Burning produces obnoxious and toxic fumes

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

6. Accidental release measures

Personal Precautions	Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition. Take precautionary measures against static discharges.
Environmental Precautions	Should not be released into the environment.
Methods for Containment and Clean Up	Keep in suitable, closed containers for disposal. Soak up with inert absorbent material. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

7. Handling and storage

Handling	Wear personal protective equipment. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Take precautionary measures against static discharges.
Storage	Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat and sources of ignition. Flammables area. Keep under nitrogen. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure controls / personal protection

<u>Exposure Guidelines</u>	This product does not contain any known or suspected reproductive hazards
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9. Physical and chemical properties

Physical State	Liquid
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pH	No information available
Melting Point/Range	-112 °C / -170 °F
Boiling Point/Range	156 - 158 °C / 313 - 316 °F @ 760 mmHg
Flash Point	44 °C / 111.2 °F
Evaporation Rate	No information available
Flammability (solid,gas)	Not applicable
Flammability or explosive limits	
Upper	42.5%
Lower	3.75%
Vapor Pressure	<6 hPa @ 20 °C
Vapor Density	No information available
Specific Gravity	0.965
Solubility	Hydrolyses
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	250 °C / 482 °F
Decomposition Temperature	260 °C
Viscosity	1 mPa.s at 20 °C
Molecular Formula	C6 H15 O3 P
Molecular Weight	166.16

10. Stability and reactivity

Component
Triethyl phosphite

CAS-No
122-52-1

IARC

NTP

ACGIH

OSHA

Mexico

IMDG/IMO

UN-No	UN2323
Proper Shipping Name	TRIETHYL PHOSPHITE
Hazard Class	3
Packing Group	III

Reportable Quantity (RQ): N
DOT Marine Pollutant N
DOT Severe Marine Pollutant N

U.S. Department of Homeland Security

This product contains the following DHS chemicals:

Component
Triethyl phosphite

DHS Chemical Facility Anti-Terrorism Standard
0 lb STQ

Other International Regulations

Mexico - Grade