

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: Guanosine 5'-triphosphate Disodium

Synonyms: GTP

Company Identification: PI Chemicals Ltd.

Building B, 633 E Shan Road, Pudong New Area

Shanghai 200127, China

 Telephone Number:
 86-21-58953700

 Fax Number:
 86-21-58953701

Section 2 - Product Information

Catalog Number: PI-16015
CAS Number: 56001-37-7

MDL Number: MFCD00083629

Purity: 95%

Section 3 - Physical and Chemical Properties

Physical state: Powder or crystal

Color: White

Molecular Formula: $C_{10}H_{16}N_5O_{14}P_3.2Na$

Molecular Weight: 569.18

Freezing/Melting Point: Not available Boiling Point: Not available Not available Flash Point: Not available Autoignition Temperature: Refractive Index (nD20): Not available Not available Density: Not available Decomposition Temperature: Solubility: Not available

Section 4 - Hazards Identification

Eye: Causes eye irritation.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.



Section 5 - First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Move out of dangerous area.

If breathed in, move person into fresh air. If not breathing give artificial

respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a

physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with

water. Consult a physician.

Section 6 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.

Hazardous Decomposition Products: Carbon oxides, nitrogen oxides (NOx).

Hazardous Polymerization: Has not been reported.

Section 7 - Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for

preventive fire protection.

Storage: Keep container tightly closed in a dry and well-ventilated place.

Section 8 - Personal Protection

Eyes: Wear appropriate protective eyeglasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms

are experienced.

Section 9 - Fire and Explosion Hazard Data

General Information: As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH

(approved or equivalent) and protective clothing to prevent contact with skin

and eyes.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Section 10 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.



Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Section 11 - Toxicological Information

RTECS#: CAS# 56001-37-7: Not available.

LD50/LC50: RTECS # Not available.

Carcinogenicity: Guanosine 5'-triphosphate Disodium -Not listed as a carcinogen by ACGIH, IARC,

NTP, or OSHA.

Section 12 - Environmental information

Not available

Section 13 - Disposal Consideration

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 14 - Transport Information

IATA: Not available.IMO: Not available.RID/ADR: Not available.

Section 15 - Regulatory Information

Hazard Symbols: Xi

Indication of Danger: Irritant

Risk Phrases:

R 36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.

S 27: Take off immediately all contaminated clothing.

S 36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

Section 16 - Additional Information

MSDS Creation Date: 17 November, 2008

Update: 7 July, 2011



The above information is believed to be accurate and represents the best knowledge available to us currently. 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 purposes. In no way shall PI Chemicals, 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, even if PI Chemicals has been advised of the possibility of such damages.