

LTS (CHEMICAL) INC.
MATERIAL SAFETY DATA SHEET
RUBIDIUM PHOSPHATE

GENERAL

MANUFACTURER/SUPPLIER: LTS (CHEMICAL) INC.
COMPANY'S STREET: 100 RED SCHOOLHOUSE RD.
COMPANY'S CITY: CHESTNUT RIDGE
COMPANY'S STATE: NEW YORK
COMPANY'S ZIP CODE: 10977
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DATE MSDS PREPARED: 02/03/00
DATE MSDS REVISED: 1/5/2005

1. PRODUCT IDENTIFICATION

PRODUCT NAME: RUBIDIUM PHOSPHATE
FORMULA: Rb_3PO_4
CAS #: N/A

2. PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT 760 mm Hg: N/A
MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
MOLECULAR WEIGHT: 351.375
VAPOR DENSITY: N/A
VAPOR PRESSURE (mm Hg): N/A
% VOLATILES: N/A
SOLUBILITY IN H_2O : N/A
APPEARANCE AND ODOR: POWDER, WHITE, NO ODOR.

3. HAZARD IDENTIFICATION

HAZARDOUS COMPONENTS %
RUBIDIUM PHOSPHATE 0-100%
OSHA/PEL: NONE LISTED
ACGIH/TLV NONE LISTED

HMIS RATINGS (0-4):
HEALTH (ACUTE EFFECTS) 1
FLAMMABILITY: 0
REACTIVITY: 1

4. FIRE FIGHTING MEASURES

FLASH POINT: N/A
AUTOIGNITION TEMPERATURE: N/A
FLAMMABLE LIMITS:
UPPER: N/A
LOWER: N/A
FLAMMABILITY: NOT FLAMMABLE.
EXTINGUISHING MEDIA: PRODUCT IS NOT FLAMMABLE. USE SUITABLE MEDIA FOR SURROUNDING MATERIAL.
SPECIAL FIRE FIGHTING

PROCEDURES:

FIREFIGHTERS MUST WEAR FULL-FACE, SELF-CONTAINED BREATHING APPARATUS WITH FULL PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES. FIRE MAY RELEASE CARBON MONOXIDE.

5. HEALTH HAZARD INFORMATION

EFFECTS OF EXPOSURE:

ACUTE EFFECTS:

INHALATION:	MAY CAUSE RESPIRATORY TRACT IRRITATION. MAY CAUSE EFFECTS SIMILAR TO THOSE DESCRIBED FOR INGESTION.
INGESTION:	MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT. MAY CAUSE CENTRAL, PERIPHERAL, AND AUTONOMIC NERVOUS SYSTEM EFFECTS. PERIPHERAL NERVOUS SYSTEM EFFECTS ARE CHARACTERIZED BY MUSCULAR WEAKNESS, PARESTHESIAS, NUMBNESS IN LIMBS, UNSTEADINESS AND DIFFICULTIES IN WALKING AND STANDING.
SKIN:	MAY CAUSE IRRITATION.
EYE:	MAY CAUSE IRRITATION

CHRONIC AFFECTS:

MUSCLE SPASM, HYPERIRRITABILITY AND RED BLOOD CELL ACCUMULATION WITH POSSIBLE NEUROMUSCULAR EFFECTS.

CARCINOGENITY:

NTP:	NO
IARC:	NO
OSHA:	NO
EPA	NO
OSHA	NO
ACGIH	NO



TARGET ORGANS:

CENTRAL NERVOUS SYSTEM, PERIPHERAL NERVOUS SYSTEM

6. STABILITY

STABILITY:	STABLE
CONDITION TO AVOID:	INCOMPATIBLE MATERIALS, EXPOSURE TO AIR, EXPOSURE TO MOIST AIR OR WATER
INCOMPATIBILITY (MATERIAL TO AVOID):	AIR, MOISTURE, STRONG ACIDS, STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS:	NONE.
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR.

7. EMERGENCY AND FIRST AID PROCEDURES:

INHALATION:	REMOVE VICTIM TO FRESH AIR, KEEP WARM. IF REQUIRED PROVIDE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, SEEK MEDICAL ATTENTION.
INGESTION:	SEEK IMMEDIATE MEDICAL AID

SKIN: FLUSH WITH WATER AND WASH WITH MILD SOAP AND WATER. RINSE WITH WATER THOROUGHLY. SEEK MEDICAL ATTENTION IF SYMPTOM PERSISTS.

EYE: FLUSH WITH WATER, INCLUDING UNDER UPPER AND LOWER EYELID, FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIS

8. HANDLING AND STORAGE

HANDLING AND STORAGE KEEP CONTAINER TIGHTLY CLOSED. STORE IN COOL , DRY AREA. PLACE IN WELL VENTILATED AREA.

OTHER PRECAUTIONS: NORMAL LAB COAT.

9. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN
CASE MATERIAL IS
RELEASED OR SPILLED:

WEAR SUITABLE PROTECTIVE CLOTHING. KEEP UNPROTECTEC PERSON AWAY. SECURE WELL VENTILATION.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

RESPIRATORY PROTECTION
(SPECIFY TYPE):

NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, USE AN APPROPRIATE RESPIRATOR OR DUST MASK. WHEN WORKING WITH FINELY DIVIDED POWDERS, WEAR A NIOSH-APPROVED DUST-MIST-VAPOR RESPIRATOR.

VENTILATION:

USE GENERAL OR LOCAL EXHAUST TO MAINTAIN CONCENTRATION AT OR BELOW THE PEL, TLV. WHEN WORKING WITH FINELY DIVIDED POWDERS, HANDLE IN A CONTROLLED, ENCLOSED ENVIRONMENT.

PROTECTIVE GLOVES:

RUBBER

EYE PROTECTION:

SAFETY GLASSES

10. TOXICITY DATA

ORAL RAT LD50:

2625 MG/KG.

CARCINOGENICITY:

NOT LISTED BY ACGIH, IARC, NIOSH, NTP, OR OSHA.

TERATOGENICITY:

NO INFORMATION AVAILABLE.

REPRODUCTIVE EFFECTS:

NO INFORMATION AVAILABLE.

NEUROTOXICITY:

NO INFORMATION AVAILABLE.

MUTAGENICITY:

NO INFORMATION AVAILABLE.

11. TRANSPORTATION DATA

NOT A HAZARDOUS MATERIAL FOR TRANSPORTATION.

HAZARD CLASS:

NONE

ADR//RID CLASS:

NOT RESTRICTED

IMDG CLASS:

NOT RESTRICTED

AIR TRAN. ICAO/IATA CLASS:

NOT RESTRICTED

MARITIME TRAN. IMDG CLASS:

NOT RESTRICTED

12. OTHER INFORMATION

THIS SAFETY DATA SHEET SHOULD BE USED IN CONJUNCTION WITH TECHNICAL SHEETS. IT DOES NOT REPLACE THEM. THE INFORMATION GIVEN IS BASED ON OUR KNOWLEDGE OF THIS PRODUCT, AT THE TIME OF PUBLICATION. IT IS GIVEN IN GOOD FAITH. THE ATTENTION OF THE USER IS DRAWN TO THE POSSIBLE RISKS INCURRED BY USING THE PRODUCT FOR ANY OTHER PURPOSE OTHER THAN THAT FOR WHICH IT WAS INTENDED. THIS DOES NOT IN ANY WAY EXCUSE THE USER FROM KNOWING AND APPLYING ALL THE REGULATIONS GOVERNING HIS ACTIVITY. IT IS THE SOLE RESPONSIBILITY OF THE USER TO TAKE ALL PRECAUTIONS REQUIRED IN HANDLING THE PRODUCT. THE AIM OF THE MANDATORY REGULATIONS MENTIONED IS TO HELP THE USER TO FULFILL HIS OBLIGATIONS REGARDING THE USE OF HAZARDOUS PRODUCTS.

