



Distributed by:
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MSDS

MATERIAL SAFETY DATA SHEET

Information / Emergency Telephone

CHEMTREC
 DOMESTIC NORTH AMERICA 800-424-9300
 INTERNATIONAL, CALL: 703-527-3887 (collect calls accepted)

Information on Ingredients

Product Name: Trisodium Phosphate Dodecahydrate
 CAS #: 10101-89-0
 Molecular Formula: Na₃PO₄.12H₂O

Ingredients / Identity Information

Item	Index
Appearance	white crystal
Assay (Na ₃ PO ₄ .12H ₂ O)	98.5% Min
Sulfates	0.50% Min
Chlorides	0.30% Max
Substance insoluble in water	0.05% Max
Alkalinity of methyl hesperidins (Na ₂ O)	16.50 --19.0
CAS# 10101-89-0	

Health Hazards Data

LD50 LC50 Mixture LD50 (ORAL, RAT) 7,400 MG/KG
 Route Of Entry Inds:
 Inhalation: YES
 Skin: NO
 Ingestion: NO
 Carcinogenicity Inds - NTP: NO IARC:NO OSHA:NO
 Health Hazards Acute And Chronic
 TARGET ORGANS: EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL TRACTS. ACUTE- EXPECTED TO CAUSE SIGNIFICANT IRRITATION TO EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL TRACTS. CHRONIC- UNKNOWN
 Explanation Of Carcinogenicity: NONE
 Signs And Symptoms Of Overexposure:
 IRRITATION, PAIN, VOMITING, NAUSEA, TEARING, BURNING, REDNESS, COUGHING, TIGHTNESS OF CHEST, SHORTNESS OF BREATH

Medical Condition Aggravated By Exposure
PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS, OR
IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO
THE EFFECTS OF THE SUBSTANCE.

First Aid Information

GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED: MOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN: WASH WITH
SOAP & WATER. ORAL:IF CONSCIOUS, RINSE MOUTH WITH WATER. SEEK
IMMEDIATEMEDICAL ATTENTION.

Spill Release Procedures

WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA. DO NOT TOUCH
SPILLED MATERIAL. SWEEP UP SPILL. PLACE INTO CONTAINER FOR
DISPOSAL. IF SPILL COULD POTENTIALLY ENTER ANY WATERWAYS,
CONTACT THE LOCAL AUTHORITIES OR NATIONAL. RESPONSE CENTER
800-424-8802.

Neutralizing Agent
DILUTE ACIDS

Waste Disposal Methods

WHATEVER CANNOT BE SAVED FOR RECLAMATION MAY BE DISPOSED
IN AN APPROVED WASTE DISPOSAL FACILITY. ENSURE COMPLIANCE
WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT
CONTAMINATE ENVIRONMENT

Handling and Storage Precautions

STORE IN A TIGHTLY CLOSED CONTAINER, IN A COOL, DRY, VENTILATED
AREA. KEEP AWAY FROM FOOD AND FEED.

Other Precautions

DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. AVOIDBREATHING
DUST. PROTECT CONTAINER AGAINST PHYSICAL DAMAGE. WASH
THOROUGHLYAFTER HANDLING. DO NOT INGEST. KEEP OUT OF REACH
OF CHILDREN.

Fire and Explosion Hazard Information TOP

Flash Point Method: N/P

Flash Point: Flash Point Text:NONE

Autoignition Temp:Autoignition Temp Text: N/R

Lower Limits:NOT RELEVANT Upper Limits:NOT RELEVANT

Extinguishing Media

WATER FOG, CARBON DIOXIDE, FOAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL

FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures

WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OR STAY UPWIND AND AVOID BREATHING HAZARDOUS VAPORS. MOVE CONTAINERS AWAY FROM FIRE.

Unusual Fire/Explosion Hazard: NONE

Control Measures

Respiratory Protection:

IF ENGINEERING CONTROLS ARE INADEQUATE TO CONTROL DUST CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED DUST RESPIRATOR SHOULD BE WORN.

Ventilation:

USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP DUST LEVELS AS LOW AS POSSIBLE.

Protective Gloves: BUTYL RUBBER

Eye Protection: DUST RESISTANT SAFETY GOGGLES

Other Protective Equipment

EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices

GOOD PERSONAL HYGIENE PRACTICES REQUIRE THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL.

Supplemental Safety and Health: N/P

Physical/Chemical Properties TOP

HCC:B3 NRC/State LIC No:NOT RELEVANT

Net Prop WT For Ammo:N/R

Boiling Point: B.P. Text:N/R

Melt/Freeze Pt:M.P/F.P Text:166F,74C

Decomp Temp:Decomp Text:UNKNOWN

Vapor Pres:N/R Vapor Density:N/R

Volatile Org Content %:Spec Gravity:0.8 - 0.9

VOC Pounds/Gallon:PH:12 1%

VOC Grams/Liter:Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:10% @ 20C/68F

Appearance and Odor:WHITE POWDER OR GRANULES - ODORLESS

Percent Volatiles by Volume:N/R Corrosion Rate:UNKNOWN

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid:HEAT
Materials To Avoid:UNKNOWN
Hazardous Decomposition Products:OXIDES AND ACIDS OF PHOSPHORUS
Hazardous Polymerization Indicator:NO
Conditions To Avoid Polymerization:NOT RELEVANT

Toxicological Information

Toxicological Information:N/P
Ecological Information TOP
Ecological:N/P

MSDS Transport Information

Transport Information: N/P
Regulatory Information
Sara Title III Information: N/P
Federal Regulatory Information: N/P
State Regulatory Information: N/P
Other Information
Other Information: N/P
Article W/O MSDS: N Tech Entry NOS Shipping Nm:
Radioactivity: NOT RELEVANT Form:
Net Explosive Weight: N/R
Coast Guard AMMO Code: N/R Magnetism:N/P
Net Unit Weight: 100 LBS AF MMAC Code:
DOD Exemption NUM: NOT RELEVANT Limited Quantity IND:
Multiple KIT Number:0 Kit IND: N
Kit Part IND: N Review IND: Y
Type Of Container: 1000KG Super Sack
Additional Data: NOT REGULATED FOR TRANSPORTATION, PER MSDS.

Detail DOT Information

DOT PSN Code: ZZZ Symbols: N/R
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
DOT PSN Modifier:
Hazard Class: N/R UN ID Num: N/R
DOT Packaging Group: N/R
Label: N/R
Special Provision: N/R
Packaging Exception: N/R
Non Bulk Pack: N/R Bulk Pack: N/R
Max Qty Pass: N/R Max Qty Cargo: N/R
Vessel Stow Req: N/R

Water/Ship/Other Req: N/R

Detail IMO Information

IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF
TRANSPORTATION
IMO PSN Modifier:
IMDG Page Number: N/R UN Number: N/R
UN Hazard Class: N/R IMO Packaging Group: N/R
Subsidiary Risk Label: N/R
EMS Number: N/R MED First Aid Guide NUM:N/R

Detail IATA Information

IATA PSN Code: ZZZ IATA UN ID NUM: N/R
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF
TRANSPORTATION
IATA PSN Modifier:
IATA UN Class: N/R Subsidiary Risk Class: N/R
IATA Label: N/R
UN Packing Group: N/R Packing Note Passenger: N/R
Max Quant Pass: N/R Max Quant Cargo: N/R
Packaging Note Cargo: N/R Exceptions: N/R

Detail AFI Information

AFI PSN Code: ZZZ AFI Symbols:
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF
TRANSPORTATION
AFI PSN Modifier:
AFI Hazard Class: N/R AFI UN ID NUM:N/R
AFI Packing Group: N/R
AFI Label: N/R
Special Provisions: N/A Back Pack Reference: N/A
