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

<table>
<thead>
<tr>
<th>Item</th>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>white crystal</td>
</tr>
<tr>
<td>Assay (Na₃PO₄.12H₂O)</td>
<td>98.5% Min</td>
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<tr>
<td>Sulfates</td>
<td>0.50% Min</td>
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<tr>
<td>Chlorides</td>
<td>0.30% Max</td>
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<tr>
<td>Substance insoluble in water</td>
<td>0.05% Max</td>
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<tr>
<td>Alkalinity of methyl hesperidins (Na₂O)</td>
<td>16.50 --19.0</td>
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<tr>
<td>CAS# 10101-89-0</td>
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</tbody>
</table>

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 Symtoms Of Overexposure:
IRRITATION, PAIN, VOMITING, NAUSEA, TEARIMG, BURNING, REDNESS,
COUGHING,
TIGHTNESS OF CHEST, SHORTNESS OF BREATHE

www.Lagunclay.com   Laguna Clay Company   800-452-4862
Trisodium Phosphate Dodecahydrate
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 IMMEDIATE MEDICAL 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. AVOID BREATHING DUST. PROTECT CONTAINER AGAINST PHYSICAL DAMAGE. WASH THOROUGHLY AFTER 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

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Control Measures
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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
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

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Reactivity Data
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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

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Toxicological Information

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

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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.

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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