



MATERIAL SAFETY DATA SHEET

Revision Date: 15/12/2022

Print Date: 15/12/2022 Version: 1.0

Section 1 - Identification of the Substance/Preparation and of the Company/Undertaking

Product Name: Jivaat Para Tablets
Company Information:-
Trade Name: Tira Enterprises
Trade Address: Flat No A-1701, Plot No 20, Sector 6 Nerul, Nerul,
 Thane, Maharashtra, 400706
Phone Number: +91 98337 33228
Email: Teenagajora@gmail.com

Section 2 - Hazards Identification

Classification of the substance or mixture:-

Classification:

Combustible Dust/Respiratory Hazard If Small Particles Are Generated During Further Processing, Handling Or By Other Means.

Label Elements	N/A Due To FDA Labeling Exemption
Hazard Statement(S)	Class 2b Eye Irritant. May Cause Breathing Difficulties If Inhaled. If Small Particles Are Generated During Further Processing, Handling Or By Other Means, May Form Combustible Dust Concentrations In Air.
Precautionary Statement(S)	Dust From Particulates May Be A Mechanical Eye Irritant. Rinse Eyes With Water For Several Minutes. Avoid Breathing Dust. Excessive Inhalation May Affect Nose, Throat And Lungs. Avoid Ignition Sources: Grain Dust May Burn If Suspended In Air And May Create A Flash Fire/Explosion Hazard.
Emergency Overview	Dust From Particulates May Be Mechanical Irritant To Eyes. Excessive Inhalation Of Grain Dusts May Affect Nose, Throat And Lungs. May Form Combustible Dust Concentration In Air; See "Explosion Hazard" Below.
Explosion Hazard	Grain Is Generally Considered Not Hazardous But Dust Generated Through Downstream Activities That May Reduce Its Particle Size (E.G., Shipping, Handling, Transfer To Bins, Etc.) May Create A Hazardous Condition.


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If Exposed To An Ignition Source, Dust May Burn. Airborne Dust In Sufficient Concentrations When Exposed To An Ignition Source May Flash Or, In A Confined Situation, May Fuel An Explosion.

Section 3 – Composition/Information on Ingredients

PRODUCT NAME : Jivaat Para Tablets

FORMULA : Mixer

Ingredients: Jivaat Para Tablets

Element	Result A	Result B
% CaO	34.10	32.70
% SiO ₂	28.60	29.00
% Al ₂ O ₃	9.53	9.70
% SO ₃	3.65	3.70
% Fe ₂ O ₃	3.17	3.70
% MgO	1.00	1.02
% K ₂ O	0.58	0.70
% TiO ₂	0.53	0.60
% Loss on Ignition	18.06	18.05

Section 4 – First Aid Measures
4.1. Description of first aid measures

Inhalation	Remove Person From Exposure. Seek Medical Attention For Any Breathing Difficulty.
Skin contact	Wash Affected Skin With Soap And Water.



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Eye contact	Flush Eyes With Water. Seek Medical Attention As Needed.
Ingestion	If Swallowed, Give Several Glasses Of Water To Dilute. Never Give Anything By Mouth To An Unconscious Person.

Section 5 – Fire-fighting Measures

Special Firefighting Procedures:

Extinguish with water fog, dry chemical powders or foam. Do not use strong streams of water or dry chemical if dust can be dispersed into the air. Dust placed in suspension with an ignition source present may flash or explode.

Unusual Fire And Explosion Hazards: Whole Grain Is Not Explosive.

Fine dust dispersed in air at a sufficient concentration may ignite if exposed to an ignition source.

Section 6 – Accidental Release Measures

Clean up with soft bristle broom(s) or a vacuum approved for a class ii hazardous location. Dust deposits should be maintained to a minimum on surfaces, as these could form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., cleaning dust surfaces with compressed air in the presence of ignition sources should not be allowed).

Section 7 – Handling and Storage

Fine dust dispersed in air at a sufficient concentration may ignite if exposed to an ignition source. Remove grain Dust from area/processing equipment prior to using any heat producing equipment such as arc welders, cutting Torches and spark/heat producing tools such as portable surface grinders. According to 29 cfr 1910.272(f) a ho Work permit is required.



Section 8 – Exposure Controls and Personal Protection

Engineering Measures

None under normal use conditions.

Personal Protective Equipment (PPE)

Eye/Face Protection	Safety glasses with side-shields. Avoid contact with eyes.
Skin and Body Protection	Wear latex or nitrile gloves.
Respiratory Protection	None required under normal usage.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with Skin, eyes and clothing. Wear suitable gloves and eye/face protection. Wash hands before Breaks and immediately after handling the product.

Section 9 - Physical and Chemical Properties

Upper/Lower Flammability or Explosive Limits:

When dispersed into the air in sufficient concentrations grain dust can explode in the presence of an ignition source. Do not allow dust to become dispersed into the air, even by the extinguishing agent. Minimum explosive concentration is 55 g/m³. However, moisture content, particle size, caloric properties, and specific ingredients also affect the explosiveness of grain dust.

The flash point and flammable limits are accurate because grain dust has no flash point, LEL, or UEL due to its properties. The firefighting measures listed are in accord with other similar SDS.



For an explosion to occur, four conditions must exist: first, oxygen must be present. Second, there must be an ignition source (e.g. electrical short, sparks, etc.). Third, there must be fuel (e.g. grain dust in suspension). Fourth, there must be containment of suspended grain dust (i.e. silo, vessel, etc.). Although an explosion will not occur if there is no containment, the dust can still ignite, resulting in a fire.

As noted explosions are dependent upon the concentration of the fuel (e.g. grain dust suspended in the air). The minimum explosive concentration (MEC) for grain dust is around 55 g/m³ the MEC varies according to the particle size and caloric properties of the product. In addition, the specific ingredients of the grain dust will affect the MEC. Therefore, the listed MEC range would be appropriate.

Section 10 - Stability and Reactivity

Stability

Incompatible Products None known based on information supplied.

Conditions to Avoid Dispersing Dust In Air, Above MEC, And Exposure to Potential Ignition Sources

Hazardous Decomposition Products Co₂ H₂s and Oxygen Deficient Atmosphere Under Improper Storage Conditions.

Hazardous Polymerization

Condition to Avoid N/A
Will Not Occur X

Section 11 - Toxicological Information

Routes of exposure:

Inhalation	X
Skin	X
Ingestion	Unlikely

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Carcinogenicity:

NTP:	No
ARC Monographs:	No
OSHA Regulated	No

ACUTE:

May be mechanical irritant to skin and eyes, excessive inhalation of grain dusts may affect the nose, Throat, and lungs.

CHRONIC:

Repeated and prolonged exposure to grain dusts may affect the respiratory system or cause sensitization. Smokers have an increased risk of respiratory effects.

SIGNS AND SYMPTOMS OF EXPOSURE:

Irritation to the skin, eyes, nose or throat may occur. Some people may occasionally experience coughing.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Allergies and respiratory ailments.

Section 12 - Ecological Information


N/A

Section 13 – Disposal Considerations

N/A

Section 14 – Transport Information

N/A

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Section 15 - Regulatory Information

All electrical equipment must be suitable for use in hazardous atmospheres involving combustible dust in accordance with 29 CFR 1910.307. The national electrical code, NFPA 70, contains guidelines for determining the type and design of equipment and installation, which will meet this requirement.

Combustible dust is a “hazard, other than chemical” as defined by the OSHA hazard communication standard, 29 CFR 1910.1200.

Section (b)(5)(iii) of the HCS (CFR 1910.1200) exempts food, including feed and therefore any associated feed dust, from the labeling requirements of the HCS since the food/feed is subject to the labeling requirements of the food & drug administration.

Section 16 - Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, **Tira Enterprises** makes 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. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. This material safety data sheet provides guidelines for the safe handling and use of this product; it does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required. The data/information contained herein has been reviewed and approved for general release on the basis that this document contains no export controlled information.

Prepared By: Quality Engineer

Approved By: Quality Manager

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