



**MATERIAL SAFETY DATA SHEET
(MSDS)**

I. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED) : HortinD
CHEMICAL NAME/CLAS : Organik Fertilizer
PRODUCT USE : Liquid Fertilizer
MANUFACTURER'S NAME : PT. Indmira , Jl. Besi Jangkang Yapah Sukoharjo
Ngaglik Sleman
BUSINESS PHONE : (0274) 895462

II. HAZARD IDENTIFICATION

Classification : Not Applicable Risk Phrases : Not Applicable
Safety Phrases : Not Applicable Annex II Hazard Symbol : Not Applicable

III. COMPOSITION and INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	CAS #	EINECS #	ICSC #	WT %	Hazard Symbol ; Risk Phrases
Chicken manure	N/A	Not listed	Not listed	10 %	NONE
Rice husk	N/A	Not listed	Not listed	10 %	NONE
Fresh fish	N/A	Not listed	Not listed	1,5 %	NONE
Coconut water	N/A	Not listed	Not listed	1,5 %	NONE
Honey	N/A	Not listed	Not listed	0,4 %	NONE
Water	N/A	Not listed	Not listed	73,4 %	NONE

IV. FIRST AID MEASURES

INHALATION FIRST AID : Remove victim to fresh air. if persistent breathing difficulty occurs get medical attention

SKIN CONTACT FIRST AID : Wash skin with plenty of soap and water after handling or contact. wash clothing before reuse. get medical attention if irritation develops or persists.

EYE CONTACT FIRST AID: If contact with eyes, flush eyes with plenty of water for at least 15 minutes lifting upper and lower eyelids occasionally. get medical attention if irritation persists

INGESTION : Routine use of this product is not to cause any situation which could lead to ingestion. if this product is swallowed, call physician or poison control center for most current information

CONDITIONS AGGRAVATED BY EXPOSURE : None known

RECOMMENDATIONS TO PHYSICIANS : Treat symptoms and eliminate overexposure

V. FIRE FIGHTING MEASURES

FLASH POINT ; Not - Flammable

AUTOIGNITION TEMPERATURE ; Not - Applicable

FLAMMABLE LIMITS (In air by volume, %) ; Low Not -Applicable

FIRE EXTINGUISHING MATERIALS ; Not -Applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS ; Not -Applicable

SPECIAL FIRE-FIGHTING PROCEDURES ; Not – Applicable



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VI. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE ; Material for reuse, recycling or disposal

VII. HANDLING AND STORAGE

WORK PRACTICES AND HYGIENE PRACTICES ; Handle in accordance with good Industrial hygiene and safety practice.

STORAGE AND HANDLING PRACTICES : Avoid contact with eyes, skin and clothing. Store bellow 20 o C

VIII. EXPOSURE CONTROL / PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROL ; Use with adequate ventilation to ensure levels ae maintained bellow the limits provided below.

EXPOSURE LIMITS/GUIDELINE ; This product daes not contain any components which have recognized exposure limits

RESPIRATORY PROTECTION ; Respiratory protection is generally not needed for normal handling. If necessary, use only respiratory protection authorizet in the U.S. Federal OSHA Respiratory Standard (29 CFR 1910.134).

EYE PROTECTION : Safety glasses as handling or use conditions require. If necessary, refer to U.S. OSHA 29 CFR 1910.133

HAND PROTECTION ; As appropriate to minimize skin contact. If necessary, refer to U.S OSHA 29 CFR 1910.138

BODY PROTECTION ; A needed to minimize contact. . If necessary, refer to U.S OSHA 29 CFR 1910.136

IX. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR DENSITY ; No data

SPESIFIC GRAVITY ; No data

VAPOR PRESSURE ; No data

APPEARANCE, ODOR AND COLOR ; brownish-black

EVAPORATION RATE ; No data

SOLUBILITY IN WATER ; soluble

pH ; 7 - 8

X. STABILITY AND REACTIVITY

STABILITY ; Stable

DECOMPOSITION PRODUCTS ; Degradation of carbohydrates, proteins, fats into products of amino acids, humic acids, trace nutrients and growth stimulants

MATERIAL WITH WHICH SUBSTANCE IS INCOMPATIBLE ; None known

POSSIBILITY OF HAZARDOUS REACTIONS ; With not occur

CONDITIONS TO AVOID ; None

XI. TOXICOLOGICAL INFORMATION

TOXICITY DATA ; No data Available

SUSPECTED CANCER AGENT ; None known

IRITANCY OF PRODUCT ; Contact of this product can cause eyes irritation

SENSITIZATION TO THE PRODUCT ; This product is not known to cause human skin or respiratory sensitization

REPRODUCTIVE TOXICITY INFORMATION ; No data Available

XII. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE ; This material is not expected to be hazardous to the environment

ENVIRONMENTAL TOXICITY; This material is not expected to be toxic to aquatic life

XIII. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL; Product is not considered hazardous waste. Consult federal, state, or local authorities for proper disposal and reporting procedures.



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XIV. TRANSPORT INFORMATION

This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101. Not Regulated.

XV. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA ; Not Applicable

CERCLA : Not Applicable

SARA (Section 313) : Not Applicable

SARA EXTREMELY HAZARDOUS LIST ; Not Applicable

TSCA ; None

CALIFORNIA PROP 65 : None

XVI. OTHER INFORMATION

This product is considered natural, containing a mixture of macro and micro nutrients, amino acids, enzymes, protein, mineral and vitamin. This product serves to improve soil and plant nutrition. This product is environmentally safe and is non-toxic to animals and humans.