

# SAFETY DATA SHEET

SDS DATE 10/29/2018

H-Pro 20

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** H-Pro 20

**DISTRIBUTOR:** West Central Distribution, LLC.  
**ADDRESS:** 2700 Trott Ave. SW, PO Box 897, Willmar, MN 56201

**EMERGENCY CHEMTREC PHONE:** US: 1-800-424-9300

**CHEMICAL NAME:** Potassium Humate  
**CHEMICAL FAMILY:** Wood Chemicals  
**CHEMICAL FORMULA:** Amorphous Polymer

**PRODUCT USE:** Fertilizer Additive

**SECTION 1 NOTES:** None

## SECTION 2: HAZARDOUS INGREDIENTS

### GHS Ratings:

**Toxicity Categories**

**Signal Word:** NONE

**GHS HAZARDS**  
NONE

### PRECAUTIONS

P102 Keep out of reach of children.  
P103 Read label before use.  
P233 Keep container tightly closed  
P234 Keep only in original container  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink, or smoke when using this product.  
P281 Use personal protective equipment as required.  
P301+330+331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.  
P301+312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.  
P302+352 IF ON SKIN: Wash with plenty of soap and water.  
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, then continue rinsing cautiously.

## SECTION 3: HAZARDS IDENTIFICATION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>
Humic Acid Derived from Leonardite (BaCL2 Method)	Proprietary	20%

**NOTE:** Product does NOT contain any pesticides or pest control agents.

**SECTION 3 NOTES:** These specific chemical identity and or exact percentage (concentration) of composition has been withheld as a trade secret.

### **CARCINOGENICITY**

**OSHA:** NO      **ACGIH:** NO      **NTP:** NO      **IARC:** NO      **OTHER:** NO

## SECTION 4: FIRST AID MEASURES

**EYE CONTACT – IF IN EYES:** Rinse with water for several minutes. Remove contact lenses if present and easy to do, then continue rinsing. Have the product container with you when calling a poison control center or doctor, or going for treatment.

**SKIN CONTACT – IF ON SKIN OR CLOTHING:** Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water for several minutes. Call a poison center, doctor, chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice.

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**INGESTION – IF SWALLOWED:** Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person. Immediately call a poison center, doctor, chemical manufacturer, importer, or distributor to specify the appropriate source of emergency.

**INHALATION – IF INHALED:** If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and give artificial respiration, preferably mouth to mouth if possible.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** None

**SECTION 4 NOTES:** None

## SECTION 5: FIRE FIGHTING MEASURES

### NFPA HAZARD CLASSIFICATION

HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0 OTHER: -

**IN CASE OF FIRE:** Water, carbon dioxide, dry chemical or foam.

**SPECIAL FIRE FIGHTING PROCEEDURES:** Use self-contained breathing apparatus with fighting any fire in an enclosed area.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** Sulfur dioxide, carbon dioxide, and carbon monoxide.

**SECTION 5 NOTES:** None

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust, or kitty litter. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

**SECTION 6 NOTES:** None

## SECTION 7: HANDLING AND STORAGE

**HANDLING:** Keep out of reach of children. Read label before use. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling. Use personal protective equipment as required.

**STORAGE:** Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.

**SECTION 7 NOTES:** None

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

**VENTILATION:** Normal room ventilation (mechanical) or outdoor use should be satisfactory.

**RESPIRATORY PROTECTION:** Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as appropriate.

**EYE PROTECTION:** Chemical goggles.

**SKIN PROTECTION:** Chemical gloves, long-sleeved shirts and pants.

**OTHER PROTECTIVE EQUIPMENT:** Eye wash and safety shower should be easily accessible.

**WORK HYGIENIC PRACTICES:** Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

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**EXPOSURE GUIDELINES:** If exposed, see section 4 for acute exposure first aid.

**SECTION 8 NOTES:** None

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Brown	<b>FLAMMABLE LIMITS AIR, UPPER: (% BY VOLUME)</b>	Not applicable
<b>ODOR:</b>	Slight Odor	<b>LOWER:</b>	Not applicable
<b>ODOR THRESHOLD:</b>	Not Known	<b>VAPOR PRESSURE (mmHg):</b>	@ 68° F: 14.2 20° C: 14.2
<b>PHYSICAL STATE:</b>	Liquid	<b>VAPOR DENSITY (AIR = 1)</b>	@ 68° F: 1.21 20° C: 1.21
<b>pH AS SUPPLIED:</b>	9	<b>RELATIVE DENSITY:</b>	1.138
<b>INITIAL BOILING POINT:</b>	F: 219.2° C: 104°	<b>EVAPORATION RATE: BASIS (butyl acetate=1)</b>	0.4 (water)
<b>BOILING POINT RANGE:</b>	F: Unknown C: Unknown	<b>SOLUBILITY IN WATER:</b>	100% soluble
<b>MELTING POINT:</b>	F: 28.4° C: 2°	<b>PARTITION COEFFICIENT: (n-octanol/water):</b>	Unknown
<b>FREEZING POINT:</b>	F: 28.4° C: -2°	<b>AUTO-IGNITION TEMPERATURE:</b>	Not applicable
<b>FLASH POINT:</b>	F: Not applicable C: Not applicable	<b>DECOMPOSITION TEMPERATURE:</b>	Unknown
<b>FLAMMABILITY (solid, gas):</b>	Not applicable	<b>VISCOSITY:</b>	@ Not determined F: Unknown C: Unknown

### SECTION 9 NOTES: Values are not product specifications.

Note: these physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items

## SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** Stable  Unstable

**CONDITIONS TO AVOID (STABILITY):** Contact with strong oxidizing agents.

**INCOMPATIBILITY (MATERIAL TO AVOID):** None known

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Sulfur dioxide, carbon dioxide, and carbon monoxide

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID (POLYMERIZATION):** None known

**SECTION 10 NOTES:** None

## SECTION 11: TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION

**MIXTURE TOXICITY:** Not known

**COMPONENT TOXICITY:** Not known

**SECTION 11 NOTES:** None

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## SECTION 12: ECOLOGICAL INFORMATION

### ECOLOGICAL INFORMATION

**ECOTOXICITY:** Not available  
**BIOACCUMULATIVE POTENTIAL:** Not available  
**MOBILITY IN SOIL:** Not available  
**OTHER ADVERSE EFFECTS:** Not available  
**SECTION 12 NOTES:** None

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Do not contaminate water, food, or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all local/ regional/ national/ international regulations.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

**RCRA HAZARD CLASS:** None  
**SECTION 13 NOTES:** None

## SECTION 14: TRANSPORT INFORMATION

### U.S. DEPARTMENT OF TRANSPORTATION (DOT)

**DOT SHIPPING DESCRIPTION:** Not regulated  
**U.S. SURFACE FREIGHT CLASSIFICATION:** Not regulated  
**OTHER AGENCIES:** None  
**SECTION 14 NOTES:** None

## SECTION 15: REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** Mixture not listed

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Not regulated

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** Not regulated

**311/312 HAZARD CATEGORIES:** None

**313 REPORTABLE INGREDIENTS:** None

**INTERNATIONAL REGULATIONS:** None

**SECTION 15 NOTES:** None

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## SECTION 16: OTHER INFORMATION

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**OTHER INFORMATION:**                      None

**DISCLAIMER:**

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.