MATERIAL SAFETY DATA SHEET



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MANUFACTURER

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MATERIAL	ERIAL REV. NUMBER			PAGE 1 OF 2				
Hop Pellets (Type 90) 1.1								
ISSUED DATE: February 201	7 APPROVAL							
,								
PRODUCT INFORMATION								
CHEMICAL NAME AND MOLECULAR FORMULA CAS NO.(s)								
Not applicable. Whole hop cones, a ground and pelletized.	Not available.							
SYNONYMS Pelletized, powdered	CHEMICAL FAMILY Not applicable. The desired ingredients include the hop bitter acids and hop essential oils.							
HAZARDOUS COMPONENTS								
Mate	% Hazard Data (TLV, LD%), LC50, etc.							
Pelletized, powdered cones of the cultivated hop plant <i>Humulus lupulus</i> . Hare available from many varieties of hops. This MSDS applies equally to all				Not applicable				
PRODUCT IDENTIFICATION								
BOILING POINT		SPECIFIC GRAVITY						
	Not applicable. A solid.			Not applicable. A solid.				
VAPOUR PRESSURE	Not applicable	% VOLATILE BY VOLUME (%)		Not applicable				
VAPOUR DENSITY		EVAPORATION RATE						
(Air = 1) SOLUBILITY IN	Not applicable			Not applicable.				
WATER	Slight	рН		Not applicable.				
APPEARANCE & ODOUR								
	FIRE & EXPL							
FLASH POINT (Method used)			FLAMMABILITY Lel Uel					
Not applicable.	Not applicable		Unknown	Unknown				
EXTINGUISHING MEDIA								
Water or CO ₂ SPECIAL FIRE FIGHTING PROCEDURES								
None required.	RES							
UNUSUAL FIRE AND EXPLOSION H	AZARDS							
None known.								
	REACTIV							
STABILITY: UNSTABLE	CONDITIONS TO AVOID None known							
STABLE 🔀			Trong known					
INCOMPATIBILITY (Materials to avoid) None reported								
HAZARDOUS DECOMPOSITION PR	RODUCTS							
None known								
HAZARDOUS PO	CONDITIONS TO AVOID Not applicable							
Iviay Occur	Will Not Occur ⊠ TOXICITY IDE							
ORAL/PARENTERAL								
No TLV's established. Considered GRAS 21 CFR 182.20.								
DERMAL (acute) Not available								
EYE			INHALATION					
Not available Not available								
CHRONIC Not available								
CARCINOGENICITY:	NTP? Not listed	ARC Monor	raphs? Not listed	OSHA Regulated	? No			

EYE CONTACT

May be a mild irritant.

SKIN CONTACT

May cause skin irritation. Prolonged contact may cause dermatitis in some individuals.

INHALATION

Not applicable

HEALTH HAZARD INFORMATION EMERGENCY FIRST AID

ORAL INGESTION

Drink large amounts of milk or water to dilute. Vomiting may occur. Consult a physician.

Wash affected eye with copious amounts of water. Seek medical attention if irritation persists.

SKIN CONTACT

Wash contacted area with warm, soapy water

INHALATION

Wear protective dust mask.

SPILL OR LEAK

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Normal clean-up procedures as for any agricultural commodity.

WASTE DISPOSAL METHOD (Comply with applicable federal, state, and local regulations.)

This is a biodegradable material that is acceptable at landfill sites.

SPECIAL PROTECTION INFO.

RESPIRATORY PROTECTION (Specify Type)

Wear protective dust mask for normal handling

Total protocure duct manufacture manufactu						
	LOCAL EXHAUST		SPECIAL			
VENTILATION	None.		None.			
	MECHANICAL (general)		OTHER			
	None		Normal ventilation.			
PROTECTIVE GLOVES E		EYE PROTECTION				

Not applicable

Normally not required

OTHER PROTECTIVE EQUIPMENT

Not applicable

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

None. Normal warehousing should be cold.

OTHER PRECAUTIONS

None required.

The information herein is furnished without warranty of any kind. This information should be used only as a supplement to information already in your possession concerning this product. The determination of whether and under what conditions the product should be used by your employees is yours to make.