



SAFETY DATA SHEET

Section 1: Product and Company Identification

Natural Organic Technologies

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PRODUCT NAME	Love Trees Hydro Genius
CHEMICAL NAME	Inorganic/Organic Chemical Fertilizer Mixture
CHEMICAL FAMILY	Liquid blended fertilizer
PRODUCT DESCRIPTION	Plant food
CAS#	NA-mixture
DATE OF REVISION	02/28/2017

Section 2: Hazard Identification

KEEP OUT OF REACH OF CHILDREN - CAUTION - May cause mild eye and skin irritation. Avoid contact with skin, eyes, open cuts, and sores. In case of contact, flush with water. Get medical attention for eyes. Nausea and vomiting could be expected upon large dose ingestion. The acute effects are described as nausea, chills, and diarrhea. Eye and skin contact with these products could cause irritation (particularly in sensitive persons), and respiratory irritation could be expected from the unprotected inhalation of fertilizer mists. Product users should avoid prolonged or repeated skin contact by wearing impervious gloves, long sleeve shirt, long pants, socks and rubber boots. Goggles for eye protection are recommended. Wash thoroughly after handling and using this product.

This product is a dark brown liquid with an earthy smell. Primary routes of entry are inhalation, eye contact and skin contact

Section 3: Composition / Information On Ingredients

MIXED LIQUID BLENDED FERTILIZERS – No hazardous ingredient exceeds 1% of mixture.

Chemical Ingredients	Weight %	CAS No.
Water and Inerts	Balance	7732-18-5
Potassium nitrate	< 8%	7757-79-1
Potassium Phosphate	< 8%	7778-77-0
Ammonium Phosphate	< 8%	7722-76-1
Urea	< 2%	57-13-6
Molasses	< 10%	68476-78-8



Ingredients not precisely identified are proprietary or nonhazardous. Values are not product specifications.

Section 4: First Aid Measures

Eyes: Flush eyes with clean running water for at least 15 minutes. If irritation persists, get medical attention.
Skin: Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists, or if rash develops, get medical attention.
Ingestion: If conscious, drink 1 or 2 glasses of water. Get medical attention. Never induce vomiting or give anything by mouth to an unconscious person.
Inhalation: Remove to fresh air. If irritation persists, get medical attention.

Section 5: Fire Fighting Measures

Flash Point Not applicable
Flammable Limits (LFL & UFL) Not applicable
Extinguishing Media Use medium appropriate to surrounding fire. Dry chemical, carbon dioxide, foam, water, spray, or fog.
Hazardous Combustion Products May include but not limited to oxides or carbon, hydrogen chloride, hydrogen fluoride, oxides or nitrogen, ammonia, oxides or phosphorus, oxides of sulfur, hydrogen sulfide.
Special Fire Fighting Procedures Use water spray to cool containers to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.
Unusual Fire and Explosion Hazards None known.

Section 6: Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Avoid breathing mists. Absorb and sweep up spills immediately and transfer to suitable containers for possible land application according to label use or disposal. Check local, state and federal regulations for proper disposal.
CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Section 7: Handling and Storage

HANDLING: Avoid breathing fertilizer mists. Avoid prolonged or repeated skin contact. Avoid eye contact. Wash hands thoroughly after using this product and before eating, drinking, chewing gum, using tobacco or using the toilet.
STORAGE: Store in original containers only. Keep containers tightly closed when not in use. Store in a cool, dry well ventilated area, preferably in a locked storage area away from children, feed, food products, and seed. Store at ambient temperatures. Do not contaminate water, food, or feed or disposal.

Section 8: Exposure Control / Personal Protection

Engineering Controls Not normally required
Respiratory Protection Not normally required
Eye Protection Chemical goggles or shielded safety glasses
Skin Protection Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks.
Wear rubber or chemical-resistant gloves.
OSHA PEL 8 hr TWA ACGIH TLV-TWA no listings



Section 9: Physical and Chemical Properties

Appearance	Brown green liquid	Specific Gravity	1.08
Odor	Earthy	pH	4-5
Odor Threshold	Not determined	Solubility in Water	complete
Melting Point	Not determined	% Volatiles	Not determined
Boiling Point	Not determined	Evaporation Rate	Not determined
Flash Point	Not determined	Vapor Pressure	Not determined

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
Incompatibility	Strong oxidizers
Hazardous Decomposition Products	Not established
Hazardous Polymerization	Will not occur

Section 11: Toxicological Information

Acute Oral LD50 (rat)	Not established
Eye Irritation (rabbit)	Not established
Inhalation LC50 (rat)	Not established
Carcinogenic Potential	Not established
Acute Dermal LD50 (rabbit)	Not established
Skin Irritation (rabbit)	Not established
Skin Sensitization (guinea pig)	Not established

Section 12: Ecological Information

Drift or runoff may adversely affect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from target area.

Section 13: Disposal Considerations

U.S. Domestic Ground Proper

Shipping Name: Not regulated for transport
DOT Hazard Class: Not applicable
UN Number: Not applicable
Packing Group: Not applicable

U.S. Domestic Air Proper

Shipping Name: Not regulated for transport
DOT Hazard Class: Not applicable
UN Number: Not applicable
Packing Group: Not applicable

Canadian TDG Proper

Shipping Name: Not regulated for transport
DOT Hazard Class: Not applicable



UN Number: Not applicable
Packing Group: Not applicable

International Air Proper

Shipping Name: Not regulated for transport
DOT Hazard Class: Not applicable
UN Number: Not applicable
Packing Group: Not applicable

Section 14: Transport Information

DOT Shipping Description	Not Regulated by USDOT.
U.S. Surface Freight Classification	Fertilizing compounds (manufactured fertilizers), NOI; Liquid (NMFC68140, SUB5; CLASS 50)

Section 15: Regulatory Information

TSCA Chemical Inventory: All of the chemicals in this product are listed on the TSCA Inventory.
TSCA Sec 4 Chemical Test Rule: None of the chemicals in this product are on this list.
TSCA Sec 8(d): None of the chemicals in this product are on the Health and Safety Reporting List.
TSCA Sec 12(b) Notices of Export: None of the chemicals in this product are on this list.
TSCA Significant New Use Rule (SNUR): None of the chemicals in this product are on this list.
SARA Sec 302 (EHS) TPQ: None of the chemicals in this product have a TPQ.
SARA Sec 302 (EHS) RQ: None of the chemicals in this product have a RQ.
SARA Sec 311/312: Acute – YES; Chronic – YES; Fire – NO; Release of Pressure – NO; Reactivity – NO
SARA 313 List: None of the chemicals in this product is reportable under Section 313 Title III and 40 CFR Part 372.
Material
CERCLA Hazardous Substances and corresponding RQs: N/A
RCRA: None of the chemicals in this product are on this list.
Clean Air Act: Hazardous Air Pollutants? NO Class 1 Ozone Depletors? NO Class 2 Ozone Depletors? NO
Clean Water Act: Hazardous Substance? NO Priority Pollutant? NO Toxic Pollutant? NO
Chemical Weapons Convention: None of the chemicals in this product are on this list.
Drug Enforcement Agency (DEA) CDTA: None of the chemicals in this product are on this list. OSHA: None of the chemicals in this product are considered Highly Hazardous by OSHA.
California Proposition 65: None of the chemicals in this product are on this list.
Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations. The components in this product are listed, or exempt from listing, on the Canadian Domestic Substances List.
Canadian WHMIS: This product has a WHMIS classification of C, D2A.
Canadian Ingredient Disclosure List: Potassium nitrate is not listed on the Canadian Ingredient Disclosure List.

Section 16: Other

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