

MATERIAL SAFETY DATA SHEET

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SECTION I – GENERAL INFORMATION

TRADE NAME	LEVEN 38
CHEMICAL NAME	Maleic Hydrazide Potassium Salt and N-Decanol Blend
CHEMICAL FAMILY	Pyridazine/Fatty Alcohol
EPA REG. NO.	19713-105
SIGNAL WORD	CAUTION

SECTION II – INGREDIENTS (Class = H (Hazardous), NH (Non-Hazardous))

NAME	CAS NO.	% (by wt.)	TLV	CLASS
N-Decanol	112-30-1	38.30	50 ppm	NH
Potassium Salt of Maleic Hydrazide	123-33-1	11.10	NE	NH
Inerts	N/A	50.60	N/A	NH

SECTION III – PHYSICAL DATA

Boiling Point	>212°F	Specific Gravity	0.99 gm/ml
Vapor Pressure	Negligible	% Volatiles	N/A
Vapor Density	>5	Solubility in Water	Emulsifies
pH	7-8 (@ 5%)	Appearance/Odor	Cream colored emulsion, sweet odor

SECTION IV – FIRE & EXPLOSION DATA

Flash Point	>200°F (Non-Combustible)
Extinguishing Media	Water spray, CO ₂ , foam
Fire Fighting Procedures	Fight fire from upwind. Assure self-contained breathing apparatus is worn. Prevent run off if possible.

SECTION V – REACTIVITY DATA

Stability	Stable
Conditions to Avoid	Extreme temperatures
Incompatibility	Acids, oxidizers
Hazardous Decomposition Products	Oxides of carbon and nitrogen
Hazardous Polymerization	Will not occur

SECTION VI – HEALTH HAZARD DATA

Carcinogenicity	N/A
Toxicity Data	Oral LD50 (Rat) = >5,000 mg/kg Dermal LD50 (Rabbit) = >2,000 mg/kg
TLV	None established
N.F.P.A.	Health: 2, Fire: 1, Reactivity: 0 (Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)
Effects of Overexposure	May cause skin and eye irritation. Avoid contact with skin and eyes. May irritate mucous membranes. Avoid ingestion of product.

SECTION VII – EMERGENCY PROCEDURES

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious or convulsing person.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

If on Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product, including health concerns, medical emergencies or pesticide incidents, call the National Pesticide Information Center at 1-800-858-7378.

SECTION VIII- SPILL OR LEAK PROCEDURES

Steps to be taken in case of material leak or spill

Assure protective clothing is worn. Contain spills and prevent runoff if possible. Pick up spills and place in appropriate containers, use absorbent clay if necessary, mop area with soap and water following initial clean-up.

Waste Disposal Method

Dispose of in accordance with Local, State, and Federal Regulations.

SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection	Normally none required
Ventilation	General recommended
Protective Gloves	Waterproof
Eye Protection	Safety glasses or splash goggles
Other	Coveralls over short-sleeved shirt and short pants, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure, chemical-resistant apron.

SECTION X – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storage

KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.

Store away from extreme temperatures. Avoid eye or skin contact. Do not breathe spray mist.

D.O.T. Description	Non-Regulated (If below R.Q.)
Freight Description	Agricultural Growth Regulator, Modifier and Inhibitor, Liquid, N.O.S.
Reportable Quantity	5,000 lbs. (Maleic Hydrazide)
E.R.G. Guide Sheet	171

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