FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

LOVELAND PRODUCTS, INC. P.O. Box 1286 • Greeley, CO 80632-1286			y Phone: 1-800-424-9300 gencies: 1-800-301-7976 e Center: 1-800-424-8802	
PRODUCT NAME: CHEMICAL NAME: CHEMICAL FAMILY: EPA REG, NO.:		ecticide	- LC isomers 3% maximum) on N-P-K Fertilizer	
MSDS Number: 27932		MSDS Revisions: New	Date of Issue: 03/08/07	Supersedes: New

2. COMPOSITION, INFORMATION ON INGREDIENTS

KEEP OUT OF REACH OF CHILDREN – CAUTION – Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

This product is a light yellow to brown-colored granule with slight odor. Primary routes of entry are Inhalation, eye contact and skin contact.

3. HAZARDS IDENTIFICATION SUMMARY				
Chemical Ingredients:	Percentage by Weight:	CAS No.	TLV (Units)	
Bifenthrin Fertilizer: see label for N-P-K an	0.073 alysis 99.927	82657-04-3	None Established	
4. FIRST AID MEASURE	S			
	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 by mouth to an unconscious person.			
	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.			
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.			
NOTE TO PHYSICIAN:	This product is a pyrethroid. If large amounts have been ingested, milk, cream and other digestible fats and oils may in			

NOTE TO PHYSICIAN: I his product is a pyrethroid. If large amounts have been ingested, milk, cream and other digestible fats and oils may increase absorption and so should be avoided.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-301-7976. Have the product label or container with you when calling a poison control center or doctor, or going for treatment.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): FLAMMABLE LIMITS (LFL & UFL): EXTINGUISHING MEDIA:	Not applicable Not applicable Considered non-combustible, use medium appropriate to surrounding fire. Dry chemical, carbon
HAZARDOUS COMBUSTION PRODUCTS:	dioxide, foam, water spray or fog. May include but are not limited to oxides of carbon, hydrogen chloride, hydrogen fluoride, oxides of nitrogen, ammonia, oxides of phosphorus, oxides of sulfur, hydrogen sulfide.
SPECIAL FIRE FIGHTING PROCEDURES:	Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self- contained breathing apparatus and full protective gear.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Dusts or vapors can travel to a sources of ignition and flash back.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Avoid breathing dusts. Sweep up dry spills immediately and transfer to suitable containers for possible land application according to label use or for 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.

7. HANDLING AND STORAGE

HANDLING:	Wash hands after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. As soon as possible after use, wash thoroughly and change into clean clothing.
STORAGE:	Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use close tightly. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS	PERSONAL PROTE	CTION		
ENGINEERING CONTROLS: RESPIRATORY PROTECTION: EYE PROTECTION: SKIN PROTECTION:	Not normally required. Not normally required, respirator. Chemical goggles or s	if vapors or dusts exceed acc	eptable levels, wear a MSHA/N nts, hat, rubber boots with sock ACGIH TLV-TWA None established	
9. PHYSICAL AND CHEMIC	AL PROPERTIES			
).80-0.86 g/ml ble): Not applicable typical values based on l ot be construed as a gua	BULK DENSITY: 50- BOILING POINT: No EVAPORATION RAT material tested but may vary fro	t applicable E: Not applicable	SOLUBILITY: Insoluble pH: 6.8 (aqueous solution)
STABILITY: Stable INCOMPATIBILITY: Caustics, acid HAZARDOUS DECOMPOSITION HAZARDOUS POLYMERIZATION 11. TOXICOLOGICAL INFOR	PRODUCTS: None kno	etals.	S TO AVOID: Excessive heat,	open flame, other ignition sources.
Acute Oral LD ₅₀ (rat): >5000 mg/k Eye Irritation (rabbit): Causes mc Inhalation LC ₅₀ (rat): Not establish Carcinogenic Potential: None lis	g Iderate irritation ned	C or ACGIH	Acute Dermal LD ₅₀ (rabbit Skin Irritation (rabbit): Ma Skin Sensitization (guinea	ay cause irritation
12. ECOLOGICAL INFORMA	ΠΟΝ			
This product is extremely toxic to fis below the mean high water mark. D aquatic organisms in neighboring ar	o not apply when weathe	er conditions favor drift from tre	ated areas. Drift and runoff from	
13. DISPOSAL CONSIDERAT	IONS			
Do not reuse container. Paper and incineration, or, if allowed by state disposed of no site or at an approv	and local authorities, by	/ burning. If burned, stay out c	f smoke. Wastes resulting from	n the use of this product may be
14. TRANSPORT INFORMAT	ION			
DOT Shipping Description: NOT U.S. Surface Freight Classificati				

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:	NFPA	HMIS	
	1 Health 0 Flammability 0 Instability	0Least1Health1Slight0Flammability2Moderate0Reactivity3HighHPPE4Severe	
SARA Hazard Notification/Reporting SARA Title III Hazard Category:	Immediate <u>Y</u> Delayed <u>N</u>	Fire <u>N</u> Sudden Release of Pressure Reactive <u>N</u>	<u>N</u>
Reportable Quantity (RQ) under U.S.		2007	

SARA, Title III, Section 313: Bifenthrin (CAS: 82657-04-3) 0.073% RCRA Waste Code: Not listed CA Proposition 65: Not listed

16. OTHER INFORMATION

MSDS STATUS: New

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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Note: This material safety data sheet covers all Signature® Talstar® 0.073% Plus Fertilizer – LC fertilizer analyses

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