

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

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 PRODUCT IDENTIFIER:

TRADE NAME: CHASER® 10-0-0

1.2 RECOMMENDED USE: FERTILIZER FOR USE IN COMBINATION WITH WATER SOLUBLE PLANT NUTRITION PRODUCTS

1.3 SUPPLIER DETAILS:

LOVELAND PRODUCTS, INC.

P.O. Box 1286 • Greeley, CO 80632-1286

1.4 24-Hour Emergency Phone: 1-800-424-9300 - **Medical Emergencies:** 1-866-944-8565 - **Product Information:** 1-888-574-2878 (LPI-CUST)
U.S. Coast Guard National Response Center: 1-800-424-8802

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to 29 CFR 1910.1200

Acute Toxicity – Oral

Category 4

H302

2.2 Label elements



Signal word:

WARNING

Hazard Statement:

H302 – Harmful if swallowed.

Precautionary
Statement:
(Prevention):

P264 – Wash hands and face thoroughly after handling.
P270 – Do not eat, drink or smoke when using this product.

Precautionary
Statement:
(Response):

P301+P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 – Rinse mouth.

Precautionary
Statement:
(Disposal):

P501 – Dispose of contents and container in accordance with applicable local, regional, and national regulations.

2.3 Other hazards

None known



SAFETY DATA SHEET

SDS NUMBER: 1000237604-15-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 09/28/15

CHASER® 10-0-0

SUPERSEDES: 02/14/12

3. COMPOSITION, INFORMATION ON INGREDIENTS

3.1 Substances

Classification according to 29 CFR 1910.1200

3.2 Mixtures

Chemical Name:	CAS No.	Concentration [%]
Animal Protein Hydrolysate	9015-54-7	Proprietary

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

- Eye contact:** 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 eye. Call a poison control center or doctor for treatment advice.
- Ingestion:** 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.
- Skin contact:** 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.
- Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

4.2 Most Important Symptoms and Effects, Acute and Delayed

- Symptoms: **Inhalation:** Inhaling dust may cause irritation to the upper respiratory tract (nose and throat). Nasal mucosal and oropharyngeal erythema.
Skin: Skin irritation from direct abrasion of skin from the solid, erythema and burns from reaction with water. Prolonged contact and occlusion may cause more severe symptoms. Damage is localized to contact areas.
Eye: Eye irritation from direct abrasion of the cornea from solid, erythema and burn from reaction with water, conjunctival swelling and corneal opacification from hypertonic solution and heat. Corneal eye pain, redness, acute corneal thickening or whitening.
Ingestion: Consumption of solids or of solutions may cause nausea, vomiting, and increased thirst.

4.3 Immediate Medical Attention and Special Treatment

- Treatment: Treat symptomatically. Symptoms may be delayed.
FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565
Take container, label or product name with you when seeking medical attention.

NOTES TO PHYSICIAN: Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Use medium appropriate to surrounding fire. Dry chemical, carbon dioxide (CO₂), foam, water spray or fog. Do not use water jet as this will spread the fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: During a fire, hydrogen chloride gas and calcium oxide may be formed.

5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.



SAFETY DATA SHEET

SDS NUMBER: 1000237604-15-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 09/28/15

CHASER® 10-0-0

SUPERSEDES: 02/14/12

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard on some surfaces. Use appropriate safety equipment. For additional information, refer to Section 8, **Exposure Controls/Personal Protection**. Refer to Section 7, Handling, for additional precautionary measures.

6.2 ENVIRONMENTAL PRECAUTIONS

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water. Do not allow to enter drains, sewers, or watercourses. See Section 12, Ecological Information.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up: Small and large Spills: Contain spilled material if possible. Collect in suitable and properly labeled containers. Flush residue thoroughly with water. See Section 13, Disposal Considerations, for additional information.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice on Safe Handling: Avoid contact with eyes, skin, and clothing. Do not swallow. Wash thoroughly after handling. Wear personal protective equipment as described in Exposure Controls/Personal Protection (Section 8) of the SDS.

7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers: Store in a dry place. Keep container tightly closed. Once product has been diluted use within 24 hours. Do not contaminate water, food, or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

OCCUPATIONAL EXPOSURE LIMITS

U.S. Workplace Exposure Level (OSHA) PELs

Components	Type	Value
Particulates Not Otherwise Regulated	TWA	15 mg/m ³ (Total Dust) 5 mg/m ³ (Respirable)

U.S. Workplace Exposure Level (ACGIH) TLVs

Components	Type	Value
Particulates Not Otherwise Regulated	TWA	10 mg/m ³ (Inhalable) 3 mg/m ³ (Respirable)

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Specimen
No listings		



SAFETY DATA SHEET

SDS NUMBER: 1000237604-15-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 09/28/15

CHASER® 10-0-0

SUPERSEDES: 02/14/12

8.2 EXPOSURE CONTROLS:

Engineering Measures

Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors and spray mists. Provide eyewash station and safety shower.

Individual Protection Measures:

Eye / Face Protection: Goggles or shielded safety glasses are recommended.

Skin Protection: Wear long sleeved shirt and long pants. Routinely wash work clothing and protective equipment to remove contaminants. The use of impervious gloves is recommended when handling undiluted product. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Respiratory Protection: Not normally required. In case of inadequate ventilation or risk of inhalation of dusts or vapors, use suitable respiratory equipment such as MSHA/NIOSH TC-21C or NIOSH approved respirator with HEPA N95 filter. Wear respiratory protection during operations where spraying or misting occurs. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are unknown.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE:	Powder.
COLOR:	White to pale yellow.
ODOR THRESHOLD:	No data available.
ODOR:	Moderate.
pH:	4.4 (0.1% solution)
FREEZING POINT:	Not applicable to solids.
MELTING POINT:	No data available.
BOILING POINT:	Not applicable to solids.
FLASH POINT:	Does not flash.
FLAMMABILITY (solid, gas):	No data available.
UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	No data available.
VAPOR PRESSURE:	No data available.
SOLUBILITY:	Soluble
PARTITION CO-EFFICIENT, n-OCTANOL / WATER:	No data available.
AUTO-IGNITION TEMPERATURE:	No data available.
DECOMPOSITION TEMPERATURE:	No data available
VISCOSITY, dynamic:	No data available
SPECIFIC GRAVITY (Water = 1):	0.53 g/ml
BULK DENSITY:	33.08 lbs. /ft ³ / 530 kg/m ³

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.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

No data available.

10.2 CHEMICAL STABILITY

Stable under normal temperature conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No reactions known under normal use conditions. Avoid moisture. Will not polymerize.

10.4 CONDITIONS TO AVOID

Moisture.

10.5 INCOMPATIBLE MATERIALS

None known.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

None known.



SAFETY DATA SHEET

SDS NUMBER: 1000237604-15-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 09/28/15

CHASER® 10-0-0

SUPERSEDES: 02/14/12

11. TOXICOLOGICAL INFORMATION

11.1 LIKELY ROUTES OF EXPOSURE

Ingestion. Skin contact. Eye contact. Inhalation.

LC₅₀ (rat): No data available.

LD₅₀ Oral (rat): No data available

LD₅₀ Dermal (rat): No data available

Oral Acute Toxicity Estimates: No data available

Dermal Acute Toxicity Estimates: No data available

Skin Irritation (rabbit): May cause irritation if skin is damp or abraded (scratched or cut).

Eye Irritation (rabbit): May cause slight eye irritation due to mechanical injury.

Specific Target Organ Toxicity: Single exposure: No data available.

Aspiration: No data available

Skin Sensitization (guinea pig): Not a sensitizer

Carcinogenicity: No data available

Germ Cell Mutagenicity: No data available

Interactive Effects: None known

12. ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Ecotoxicological Data

Components	Species	Test Results
------------	---------	--------------

No data available		
-------------------	--	--

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.

12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: No data available.

Persistence: No data available.

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: No data available.

12.4 MOBILITY IN SOIL

No data available.

12.5 OTHER ADVERSE EFFECTS

Assessment: No data available.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Do not reuse empty bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. Do not contaminate water, food or feed by storage or disposal.



SAFETY DATA SHEET

SDS NUMBER: 1000237604-15-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 09/28/15

CHASER® 10-0-0

SUPERSEDES: 02/14/12

14. TRANSPORT INFORMATION

14.1 LAND TRANSPORT

DOT Shipping Description: NOT REGULATED.

U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI, DRY (NMFC 68140, SUB 6; CLASS 70)

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

NFPA & HMIS Hazard Ratings:

NFPA

HMIS

1 Health	0 Least	1 Health
0 Flammability	1 Slight	0 Flammability
0 Instability	2 Moderate	0 Reactivity
	3 High	B PPE
	4 Severe	

SARA Hazard Notification/Reporting

SARA Title III Hazard Category:	Immediate	<u>Y</u>	Fire	<u>N</u>	Sudden Release of Pressure	<u>N</u>
	Delayed	<u>N</u>	Reactive	<u>Y</u>		

Reportable Quantity (RQ) under U.S. CERCLA: Not listed

SARA, Title III, Section 313: Not listed

RCRA Waste Code: Not listed

CA Proposition 65: Not applicable

16. OTHER INFORMATION

SDS STATUS: Format revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental Health and Safety

®Chaser is a registered trademark of Loveland Products, Inc.

Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and LOVELAND PRODUCTS, INC. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.