

MATERIAL SAFETY DATA SHEET

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 BY:

Fisher & Son Co
110 Summit Drive
Exton, PA 19341
610-363-5225

24- Hour Emergency Phone: 1-800-424-9300
Medical Emergencies: 1-800-3017976
U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: ReGeneCal-C
CHEMICAL NAME: Inorganic/Organic Chemical Fertilizer Mixture
CHEMICAL FAMILY: N-P-K Mixed liquid blended fertilizer

Date of Issue: 7/6/18

2. HAZARDS IDENTIFICATION SUMMARY

Hazard Classification: Skin irritant, Category 2
Eye irritant, Category 2A

Signal Word: "WARNING"

Hazard Statements:

- H315-Causes skin irritation
- H320-Causes eye irritation
- H335-May cause respiratory irritation
- H333-May be harmful if inhaled
- H303-May be harmful if swallowed

Precautionary Statements:

(PREVENTION)

- P260-Do not breathe mist/vapors/spray
- P264-Wash thoroughly after handling
- P270-Do not eat, drink or smoke when using this product
- P271-Use only outdoors in a well-ventilated area
- P273-Avoid release to the environment
- P280-Wear protective gloves / eye protection / face protection

(RESPONSE)

- P301+P312- If swallowed, call a POISON CENTER or doctor if you feel unwell
- P330-Rinse mouth
- P302+P352-IF ON SKIN wash with plenty of soap and water
- P305+P351+P338-IN IN EYES rinse cautiously with water for 20 minutes, remove contact lenses and continue rinsing

- P337+P313-If eye irritation persists, get medical advice / attention
- P362+P364-Take off contaminated clothing

Precautionary Statements, Storage:

- P403+P233-Store in a well-ventilated place. Keep container tightly closed.
- P501-Dispose of container in accordance with local regulations



3. COMPOSITION, INFORMATION ON INGREDIENTS

N-P-K (NITROGEN-PHOSPHORUS-POTASSIM) MIXED LIQUID BLENDED FERTILIZERS – No hazardous ingredient exceeds 1% of mixture.

| <u>Chemical Ingredients:</u> | <u>Percentage of Weight:</u> | <u>CAS No.</u> | <u>TLV (Units)</u> |
|--|------------------------------|----------------|--------------------|
| Nitrogen | 5.00 | Mixture | Not established |
| Calcium (Ca) | 8.00 | Mixture | Not established |
| Fertilizer salts and inert ingredients | 87.00 | | |

4. FIRST AID MEASURES

| | |
|----------------------|--|
| If in eyes: | Immediately rinse with water for 5 minutes |
| If on skin: | Wash skin with soap and water |
| If swallowed: | Rinse mouth with water and drink large a quantity of water |
| If inhaled: | Remove product or move person to fresh air |

5. FIRE FIGHTING MEASURES

| | |
|--|---|
| FLASH POINT (°F/Test Method): | None to boiling |
| FLAMMABLE LIMITS (LFL & UFL): | Not applicable |
| EXTINGUISHING MEDIA: | Use water spray, dry chemical or carbon dioxide |
| HAZARDOUS COMBUSTION PRODUCTS: | Vapors are non-toxic and non-irritant |
| SPECIAL FIRE FIGHTING PROCEDURES: | Remove container from fire area |

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Stop leak, contain spill and absorb with soil or natural absorbents. Sweep up waste and place in container for disposal. Wash down area. Uncontaminated spilled material may be reused.

7. HANDLING AND STORAGE

| | |
|------------------|---|
| HANDLING: | Avoid eye contact and prolonged skin contact. Respiratory protection is normally not required. Sealed containers may develop pressure, open with caution. Wash hands thoroughly after handling the product. |
| STORAGE: | Store in the original labelled container in a cool place away from direct sunlight. Keep separate from food and feed products and out of reach of children and animals. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|---------------------------------------|---|
| ENGINEERING CONTROLS: | Not normally required. |
| RESPIRATORY PROTECTION: | Not normally required. |
| PERSONAL PROTECTIVE EQUIPMENT: | Chemical goggles or shielded safety glasses and rubber or neoprene gloves are not required, but its use is recommended. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--------------------------------------|--|--|
| APPEARANCE AND ODOR: | Dark amber colored liquid with sweet smell | |
| SOLUBILITY: | Appreciable | |
| pH: | 9.0 | BULK DENSITY: 11.6 |
| SPECIFIC GRAVITY (Water = 1): | 1.389g/ml | BOILING POINT: Not established |
| VAPOR PRESSURE: | Not established | EVAPORATION DATE: Not established |
| PERCENT VOLATILE (by volume): | Not applicable | |

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

STABILITY: Stable for at least 2 years under normal conditions.
INCOMPATIBILITY: Strong bases and oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Will not occur.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀(rat): >5600 mg/kg in rats – non-toxic
Acute Dermal LD₅₀(rabbit): >8600 mg/kg in rats- non- toxic
Eye Irritation (rabbit): Non-irritant in rabbits. **Skin Irritation (rabbit):** Non-irritant in rabbits.
Inhalation LC₅₀(rat): Not established **Skin Sensitization (guinea pig):** Not established
Carcinogenic Potential: None listed in OSHA, NTP, IARC, or ACGIH

12. ECOLOGICAL INFORMATION

Ecotoxicology: Due to the non-toxic classification of this product no negative impact on wildlife is expected.

Biodegradation: Oxidation and microorganisms.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Contaminated absorbents and surplus product should be buried in accordance with any local legislation.

Container disposal: Wash thoroughly with water and soap prior to reuse.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT.
U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 68140, SUB 5; CLASS 50)

15. REGULATORY INFORMATION

| | | | |
|--|----------------|------------|----------------|
| 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 | H PPE |
| | 4 Severe | | |

SARA Hazard Notification/Reporting
SARA Title III Hazard Category: Immediate Y Fire N Sudden Release of Pressure N
Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed
SARA, Title III, Section 313: Not listed
RCRA Waste Code: Not listed
CA Proposition 65: WARNING: This product contains chemicals known to State of California to cause cancer or birth defects or other reproductive harm.

16. OTHER

PREPARED BY: Registrations and Regulatory Affairs **REVIEWED BY:** Environmental/ Regulatory Services

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