Redeem

SAFETY DATA

Product Identifier	Redeem
Other Means of Identification	Proprietary Mixture
Recommended Use	Fertilizer Additive, Crop Production Aid
Restrictions on Use	None
Distributor Information	SummitGold/Midwest Distributing, Inc. 2601 W. Lake Ave. Ste. A6 #314, Peoria, IL 61615 phone: (949)-413-7390 fax: (949)-582-3538
Emergency Phone Number	Chemtrec - Day or Night at 800-424-9300
SDS Number	126
Date of Preparation	8/1/18

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Not Classified

GHS Label Elements Signal Word: None

Hazard Statement(s) None

Precautionary Statement(s)

Precautionary Statements - Prevention, Response, Storage, Disposal

None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity: Microbial Extracts

CAS#:	Common Name/ Synonyms:	% by Wt.

SECTION 4. FIRST AID MEASURES

Description of first aid measures

General Advice: Remove contaminated clothing and shoes. Seek medical advice immediately and show safety data sheet or label to the doctor, if possible.

If Inhaled: Remove person from contaminated area to fresh air. If not breathing, give artificial respiration. Seek medical attention if irritation or dizziness occurs.

In Case of Skin Contact: Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if irritation persists.

In Case of Eye Contact: Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention immediately.

If Swallowed: Seek medical attention or call a poison control center immediately. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: The most important knows symptoms an effects are described in section 2. Further symptoms are possible.

Indication of any immediate medical attention and special treatment needed: No additional information available.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing Media: Suitable extinguishing media; water, dry powder, carbon dioxide, foam.

Advice for Firefighters: Fire fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face piece operated in a positive pressure mode.

Further Information: Dispose of fire debris contaminated extinguishing water in accordance with official regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: As outlined in section 8, wear appropriate respiratory, protection. Avoid breathing fume, vapors, spray, mist or gas. Use personal protective clothing. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental Precautions: Do not allow spilled product to enter water supplies. Discharge into the environment must be avoided
Methods and Materials for Containment and Cleaning Up: Spills should be collected or contained by diking area with sand or soil. Cover contained spill with and inert absorbent material. Collect material and place in a container for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling: Do not eat, drink or smoke when using this product. Wash hands and other exposed areas thoroughly after handling. Provide adequate ventilation. Protect packages against physical damage. Reseal containers immediately after use. Immediately remove and dispose of any spilled material.
Conditions for Safe Storage, Including any Incompatibilities: Keep container tightly closed in a dry and well ventilated area.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control Parameters:

		ACGIH TLV		OSHA PEL		AIHA WEEL	
Chemical Identity:	CAS#	TWA	STEL	TWA	STEL	TWA	STEL
N/A							

Appropriate Engineering Controls:

Provide sufficient ventilation to maintain airborne concentrations below the recommended exposure limits. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Individual Protection Measures, Such as Personal Protective Equipment:

Eye Protection: Tightly fitting safety goggles or face shield if a splashing hazard exists. Use of equipment for eye protection tested and approved under appropriate government standards such as NIOSH.

Skin Protection: Handle with chemical resistant protective gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands.

For Chemical Emergencies Call CHEMTREC - Day or Night at 800-424-9300

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION (CONT.)

Body Protection: Body protection must be chosen depending on activity and possible exposure, i.e. apron, chemical resistant footwear plus socks, long sleeved shirt, long pants, chemical protection suit.

Respiratory Protection: Respiratory protection is not typically required if airborne concentrations are maintained below established exposure limits. Wear a NIOSH certified (or equivalent) organic vapor/particulate respirator. Do not exceed the maximum use concentration for the respirator face piece/cartridge combination. For emergency or non-routine, high exposure situations, use a NIOSH-certified full face piece pressure demand self contained breathing apparatus (SCBA) or a full face piece pressure demand supplied air respirator (SAR) with escape provisions. Observe OSHA regulations for respirator use (29CFR 1910.134)

General Safety and Hygiene Measures: Eye wash fountains and safety showers must be easily accessible. Employees should wash their hands and face before eating, drinking or using tobacco products.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc):	**Light Brown liquid**
Odor:	**Acidic**
Odor Threshold:	**None**
pH:	**3.5 - 5.5**
Melting point:	**No data available**
Freezing point:	**No data available**
Initial boiling point:	**No data available**
Boiling range:	**No data available**
Flash point:	**No data available**
Evaporation rate:	**No data available**
Flammability (solid, gas):	**No data available**
Upper/lower flammability or explosive limits:	**No data available**
Vapor pressure:	**No data available**
Vapor density:	**No data available**
Relative density:	**No data available**
Solubility:	**Soluble**
Partition coefficient; n-octanol/water:	**No data available**
Auto-ignition temperature:	**No data available**
Decomposition temperature:	**No data available**
Viscosity:	**No data available**
Specific gravity:	**1.03**

SECTION 10. STABILITY AND REACTIVITY

Reactivity:

No Data Available

Chemical Stability:

Product is stable at ambient temperature and pressure, under normal storage and handling conditions.

Possibility of Hazardous Reactions:

No Data Available

Conditions to Avoid (i.e. static discharge, shock or vibration)

No Data Available

Incompatible Materials:

No Data Available

Hazardous decomposition products:

No Data Available

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routs of Exposure:

Inhalation, ingestion, skin and eye contact

Symptoms Related to Physical, Chemical and Toxicological Characteristics and Delayed and Immediate Effects and Chronic Effects from Short and Long Term Exposure:

Acute Toxicity:

No Data Available

Skin Corrosion/Irritation:

Direct contact may cause slight irritation

Serious Eye Damage/Eye Irritation:

Direct contact may cause eye irritation

Respiratory or Skin Sensitization:

No Data Available

Carcinogenicity:

No Data Available

SECTION 11. TOXICOLOGICAL INFORMATION (CONT.)

Germ Cell Mutagenicity:

No data available.

Reproductive Toxicity:

No data available.

Specific target organ toxicity - single or repeated exposure:

No data available

Aspiration Hazard:

No data available

Symptoms After Inhalation:

No Data Available

Symptoms After Skin Contact:

May cause skin irritation.

Symptoms After Eye Contact:

May cause eye irritation.

Symptoms After Ingestion:

May cause intestinal irritation if ingested.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity (Aquatic and Terrestrial, Where Available):

No data available.

Toxicity to Daphnia and Other Aquatic Invertebrates (Acute and Chronic):

No data available.

Toxicity to Algae:

No data available.

Persistence and Degradability:

No data available

Bioaccumlative Potential:

No data available

Mobility in the Soil:

No data available

Other Adverse Effects:

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods - Product:

Dispose in accordance with all local, state and federal regulations. In unused condition, this product is not considered to be a RCRA defined hazardous waste by character/listings. It is the responsibility of the waste generator to evaluate whether the waste is hazardous by characteristic/listing.

Waste Treatment Methods - Container:

Containers should be cleaned of residual product before disposal. Empty containers should be disposed of in accordance with all applicable laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented incomplete, inaccurate or otherwise inappropriate.

SECTION 14. TRANSPORT INFORMATION - US DOT, IATA, IMO, ADR:

Proper Shipping Name:	Fertilizing Compound, NOI, Liquid - Redeem		
D.O.T. Hazard Class:	Not regulated by D.O.T.		
Label Requirement:	None		
Placard:	None	**UN#:**	N/A
Packing Group:	N/A	**RQ:**	N/A
Environment Hazards:	No	**CAS:**	Mixture
Special Precautions:	No	**ERG Book Information:**	None
		Marine Pollutant:	No
		IATA:	Not regulated as dangerous goods.

SECTION 15. REGULATORY INFORMATION

U.S. Federal - OSHA Status:

This product does not contain any products considered hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910,1200.

TSCA Status:

Not Listed/Non-reportable

SARA Title III Section 302 - EXTREMELY HAZARDOUS SUBSTANCES:
This product does NOT contain ingredients listed in Appendix A and B as extremely hazardous substances.

SARA Title III Sections 311/312:
N/A

SARA Section 313 Toxic Chemicals:
This product does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels.

SECTION 15. REGULATORY INFORMATION (CONT.)

SARA Superfund Section 110:
This product does NOT contain ingredients listed as hazardous substances on the Priority List of CERCLA Hazardous substances.

CERCLE, 40 CFR 117,302:
This product does NOT contain ingredients specified in the List of Extremely Hazardous Substances.

CERCLA Listed Substance Are:
None

Other Federal Reporting Requirements:

CAA: This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act

CWA: No chemicals in product are listed as Hazardous Substances, Priority Pollutants or Toxic Pollutants under the CWA.

RCRA: Not a hazardous waste under RCRA

State Reporting Requirements:
State right to know laws:

CAS#	State RTK	Chemical Name
None		

CALIFORNIA PROPOSITION 65:
This product does NOT contain a chemical or chemicals subject to California Proposition 65.

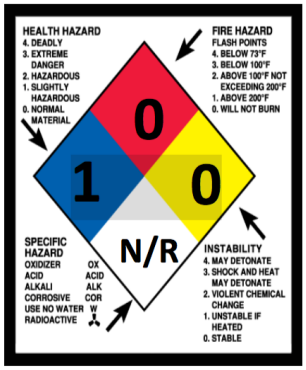
Michigan Critical Materials:
This Product does NOT contain ingredients on the Michigan Critical Materials Register.

Global Lists/ International Inventories:

Canada CEPA: N/A

Canada WHMIS: Not Controlled

SECTION 16. OTHER INFORMATION



SECTION 16. OTHER INFORMATION (CONT)

NOTICE: OSHA STANDARD 29 CFR 1910.1200 requites that information be provided to employees regarding the hazards of chemicals by means of a Hazard Communication Program including training, labeling, Safety Data Sheets, and access to written records. We request that you , and it is your legal duty, to make all information in this Safety Data Sheet available to your employees

Key Legend Information:

N/A:	Not Applicable
N/R:	Not Rated
ACGI:	American Conference of Governmental Industrial Hygienists
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
STEL:	Short Term Exposure Limit
IARC:	International Agency for Research on Cancer
SARA Title III:	Superfund Amendments and Reauthorization Act
CAA:	Clean Air Act
RCRA:	Resource Conservation Recovery Act
IATA:	International Air Transport Association Shipping Information
DSL:	Domestic Substance List (Canada)
ND:	Not Determined
NDA:	No Data Available
TLV:	Threshold Limit Value
TWA:	Time Weighted Average
NTP:	National Toxicology Program
TSCA:	Toxic Substance Control Act
CERCLA:	Comprehensive Response, Compensation and Liability Act
CWA:	Clean Water Act
IMO:	International Maritime Organization Shipping Information
WHMIS:	Workplace Hazardous Materials Information System

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This Safety Data Sheet was prepared to comply with OSHA Hazard Communication standard. (29 CFR 1910.1200 HazCom 2012). This supersedes any previous information. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by SummitGold/Midwest Distributing, Inc. as to the effects of such use or the results to be obtained, nor does SummitGold/Midwest Distributing, Inc. assume any liability arising out of use, by others, of the products referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist because of applicable laws or government regulations. All SummitGold/Midwest Distributing, Inc. SDS's are reviewed every three years or sooner if necessary. Please check the Review Date on Page 1 for most current version. Please request a new SDS from SummitGold/Midwest Distributing, Inc. if the date is older than 3 years.