

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Revival  
**PRODUCT CODES:** NA  
**EPA REGISTRATION NO:**

**USES OF THE SUBSTANCE:** Various agricultural applications  
**RESTRICTIONS ON USE:** See product label for restrictions

**COMPANY NAME:** CHS Inc  
**ADDRESS:** 5500 Cenex Drive  
Inver Grove Heights, MN 55077 US

**TELEPHONE:** 1-651-355-6000  
**WEBSITE:** www.chsinc.com  
**CONTACT PERSON:** EH&S/Regulatory Department  
**EMERGENCY PHONE NUMBER:** CHEMTREC (24 hours): 1-800-424-9300

**SECTION 2: HAZARDS IDENTIFICATION**

FOR EPA FIFRA-SPECIFIC INFORMATION SEE SECTION 15

**CLASSIFICATION:** Eye Irritation (Category 2), H319**LABEL ELEMENTS:****SIGNAL WORD:** Warning**HAZARD STATEMENTS:** H319: Causes serious eye irritation

**PRECAUTIONARY STATEMENTS:** P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.  
P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood  
P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.  
P264: Wash thoroughly after handling  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P304+340: IF INHALED: REMOVE VICTIM to fresh air and keep at rest in a position comfortable for breathing  
P312: Call a POISON CENTER if you feel unwell.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
P337+313: If eye irritation persists get medical advice/attention.

**HAZARDS NOT OTHERWISE CLASSIFIED (HNOC):** Preservative component may induce skin sensitization.**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>INGREDIENTS:</b>	<b>Concentration % by weight</b>	<b>Hazard Classification</b>	<b>CAS-NO.</b>
Proprietary mixture	59.5-69.5%	Eye irritation 2A; H319	N/A
Non-ionic Surfactant	30-40%	Eye irritation 3; H320	N/A
Preservative	0.5%	none	N/A

**SECTION 4: FIRST AID MEASURES****DESCRIPTION OF FIRST AID MEASURES:**

**GENERAL:** If symptoms persist, seek medical attention. When possible, show the product label or this safety data sheet to the doctor in attendance.

**INHALATION:** Move to fresh air. If the person is not breathing, call 911 and/or ambulance and give artificial respiration. If a cough or other medical symptoms develop, contact medical personnel.



# SAFETY DATA SHEET

Revision Date: 04/24/2019

**EYES:** May cause mild to severe irritation. Promptly rinse eyes with plenty of water for at least 15-20 minutes. Remove contact lenses, if present, after 5 minutes and continue rinsing eyes. If irritation persists, seek medical attention.

**SKIN:** May cause mild to moderate skin irritation. Promptly wash off with soap and plenty of water. Remove contaminated clothing and shoes. If redness, itching, or burning sensation develops, seek medical attention.

**INGESTION:** May cause nausea, vomiting and diarrhea. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

## **MOST IMPORTANT SYMPTIONS AND EFFECTS, BOTH ACUTE AND DELAYED**

**SYMPTOMS:** Not expected to present a significant hazard under anticipated conditions of normal use. The most important known symptoms and effects are described in section 2 or section 11.

**SYMPTOMS AFTER SKIN CONTACT:** May cause irritation to the skin.

**SYMPTOMS AFTER EYE CONTACT:** May cause irritation to the eyes.

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:** Treat symptomatically

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## **SECTION 5: FIREFIGHTING MEASURES**

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### **EXTINGUISHING MEDIA:**

**SUITABLE EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fire. Foam, dry powder, carbon dioxide, water spray.

**UNSUITABLE EXTINGUISHING MEDIA:**

### **SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**

**EXPLOSION HAZARD:** Not applicable

**REACTIVITY:** Combustion may yield carbon dioxide, carbon monoxide, nitrogen oxides, phosphorous oxides, potassium oxides, or hydrogen chlorine gas

**FLASH POINT:** No point known in liquid state

**ADVICE FOR FIREFIGHTERS:** Wear NIOSH/MSHA approved self-contained breathing apparatus pressure-demand, and full protective gear if necessary. Do not breathe fumes.

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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### **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

**PRECAUTIONS:** Evacuate unnecessary personnel.

### **METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:**

**METHODS FOR CLEAN UP:** Stop the flow of material. On land, soak up spills with adsorbent or inert material such as sand, soil, or vermiculite. Collect and transfer the product to container. Dispose of properly. Ventilate area. In water, this material will disperse or dissolve. Stop the source of the release. Contain and isolate to prevent further release into soil, surface water and ground water.

**PERSONAL PRECAUTIONS:** Wear eye protection during cleanup. Avoid breathing vapors, mist, or gas.

**ENVIRONMENTAL PRECAUTIONS:** Prevent entry into waterways or wastewater canal. Keep out of sewers and drains. Do not dispose into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. For guidance, contact your State Water Board or regional EPA office.

**REFERENCE TO OTHER SECTIONS:** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal see section 13.

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## **SECTION 7: HANDLING AND STORAGE**

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### **PRECAUTIONS FOR SAFE HANDLING AND STORAGE:**

**HANDLING:** Intentional misuse of contents can be harmful. Ensure adequate ventilation. Handle container in a manner to prevent spillage. Avoid breathing vapors. Do not get in eyes.

**HYGIENE MEASURES:** Wash hands and other exposed areas with soap and water after handling before drinking, eating, smoking, or applying cosmetics and when leaving work.

**STORAGE:** Store in a cool, dry, place away from sunlight, heat, and extreme conditions upright in original container. Store between 33 and 100 °F. Once opened, contents will be good for up to 24 months in original packaging. Keep out of reach of children and away from food and feed.

**INCOMPATIBLE MATERIALS:** Acids, bases, oxidizing agents, and reducing agents may inactivate.



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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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<b>COMPONENT EXPOSURE LIMITS:</b>	No occupational exposure limit values under normal use conditions.
<b>ENGINEERING CONTROLS:</b>	Ensure adequate ventilation and maintain good industrial hygiene and safety practices.
<b>RESPIRATORY PROTECTION:</b>	None is needed under adequate ventilation conditions.
<b>EYE PROTECTION:</b>	Wear approved safety glasses with side shields.
<b>SKIN PROTECTION:</b>	Wear suitable protective clothing, including long sleeves, long pants, socks, and shoes. Wear nitrile, neoprene, or rubber protective gloves. Wash hands after use.
<b>OTHER INFORMATION:</b>	Follow manufacturer's instructions for cleaning/maintaining PPE. Wear clothing appropriate to for all working conditions and all chemicals being handled. Do not eat, drink or smoke during use.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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<b>APPEARANCE:</b>	Cloudy, yellowish-white liquid
<b>ODOR:</b>	Fatty odor
<b>ODOR THRESHOLD:</b>	No data available
<b>PHYSICAL STATE:</b>	Liquid
<b>pH AS SUPPLIED:</b>	8.0-11.4
<b>BOILING POINT:</b>	No data available
<b>MELTING POINT:</b>	No data available
<b>FREEZING POINT:</b>	No data available
<b>VAPOR PRESSURE (mmHg):</b>	No data available
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	1.02
<b>EVAPORATION RATE:</b>	No data available
<b>SOLUBILITY IN WATER:</b>	Dispersible in water
<b>DECOMPOSITION TEMPERATURE:</b>	No data available
<b>DENSITY:</b>	8.48 lbs/gal (Bottle Method)
<b>PERCENT VOLATILE:</b>	No data available
<b>VISCOSITY:</b>	No data available
<b>FLASH POINT:</b>	No data available
<b>AUTO-IGNITION TEMPERATURE:</b>	No data available
<b>LOWER EXPLOSION LIMIT:</b>	No data available
<b>UPPER EXPLOSION LIMIT:</b>	No data available
<b>EXPLOSIVITY:</b>	No data available
<b>OTHER INFORMATION:</b>	Further safety related physical-chemical data are not known.

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**SECTION 10: STABILITY AND REACTIVITY**

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<b>REACTIVITY:</b>	None under normal conditions.
<b>STABILITY:</b>	Stable under normal conditions, susceptible to extreme conditions and prolonged or excessive heat.
<b>CONDITIONS TO AVOID:</b>	Prolonged or excessive heat and open flame.
<b>INCOMPATIBILITY (MATERIAL/CONDITIONS TO AVOID):</b>	Strong oxidizing agents, strong reducing agents, acids, bases, direct sunlight. May corrode mild steel, aluminum, brass, copper, and other metals.
<b>POSSIBILITY OF HAZARDOUS REACTIONS:</b>	No hazardous reactions or polymerization will occur.
<b>HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:</b>	No decomposition products expected under normal conditions of use. Under extreme conditions, irritating gases may form.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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<b>ACUTE TOXICITY:</b>	No data available
<b>SKIN CORROSION/IRRITATION:</b>	No data available
<b>EYE IRRITATION:</b>	No data available
<b>SKIN IRRITATION:</b>	No data available
<b>INHALATION:</b>	No data available
<b>INFORMATION ON TOXICOLOGICAL EFFECTS:</b>	
<b>GERM CELL MUTAGENICITY:</b>	No data available
<b>REPRODUCTIVE:</b>	No data available
<b>SPECIFIC ORGAN TOXICITY:</b>	No data available
<b>ASPIRATION HAZARD:</b>	No data available



**FURTHER INFORMATION:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been fully investigated.

**IARC/ACIGH/NTP/OSHA:** No ingredients in this product are listed as a carcinogen by IARC, ACGIH, NTP, or OSHA.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOLOGICAL INFORMATION:** Do not empty into drains.  
**PERSISTENCE AND DEGRADABILITY:** Persistence is unlikely based on available information.  
**BIOACCUMULATIVE POTENTIAL:** No additional information available  
**MOBILITY IN SOIL:** Likely to be mobile in the environment due to water solubility  
**OTHER ADVERSE EFFECTS:** No additional information available

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** Dispose of in accordance with Federal, State, and local regulations.  
**CONTAMINATED PACKAGING:** Triple rinse containers. Do not reuse empty containers.  
**ECOLOGY WASTE MATERIALS:** Avoid release into the environment.

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**SECTION 14: TRANSPORT INFORMATION**

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**DEPARTMENT OF TRANSPORTATION (DOT)**  
**SHIPPING DATA:** Not dangerous goods  
**CANADIAN TDG:** Not dangerous goods  
**TRANSPORT BY SEA:** No additional information available  
**TRANSPORT BY AIR:** No additional information available

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**SECTION 15: REGULATORY INFORMATION**

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**US FEDERAL REGULATIONS:**

**TSCA:** All components of this product are listed on the United States EPA TSCA Chemical Inventory.  
**SARA 302:** No components of this mixture exceed the threshold reporting requirements of SARA Title III, Section 302  
**SARA 313:** No components of this mixture with known CAS numbers are present in concentrations exceeding the threshold subject to the reporting requirements of SARA Title III, Section 313  
**SARA 311/312:** No SARA hazards  
**EPA:** Hazardous Substance: Not applicable  
Reportable Quantity: Not applicable  
**CLEAN WATER ACT:** Not applicable  
**CLEAN AIR ACT:** Not applicable  
**CERCLA:** Not reportable under CERCLA  
**US DPT OF HOMELAND SECURITY:** No components of this mixture are above the Screening Threshold Quantity of the DH Chemical Facility Anti-Terrorism Standard.  
**CALIFORNIA PROPOSITION 65:** No components of this mixture are known to the State of California to cause cancer, birth defects, or any other reproductive harm.

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**SECTION 16: OTHER INFORMATION**

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**ABBREVIATIONS AND ACRONYMS:** CAS – Chemical Abstracts Service. GHS – Globally Harmonized System. HCS – Hazard Communication Standard. OSHA – Occupational Safety and Health Administration. EPA – Environmental Protection Act. CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act.

**HMIS CLASSIFICATION:** Health = 2 Flammability = 0 Reactivity = 0 Personal Protection = B

**VERSIONS:** 02/26/2018: product codes and hazard information updated.  
04/05/2018: regulatory information updated.  
04/24/2019: product name updated

**DISCLAIMER:** Read and follow all label directions and precautions before using the product. These products are intended for agricultural use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes any legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of the data and information must be determined by the user to be in accordance with the applicable Federal, State, and local laws and regulation.